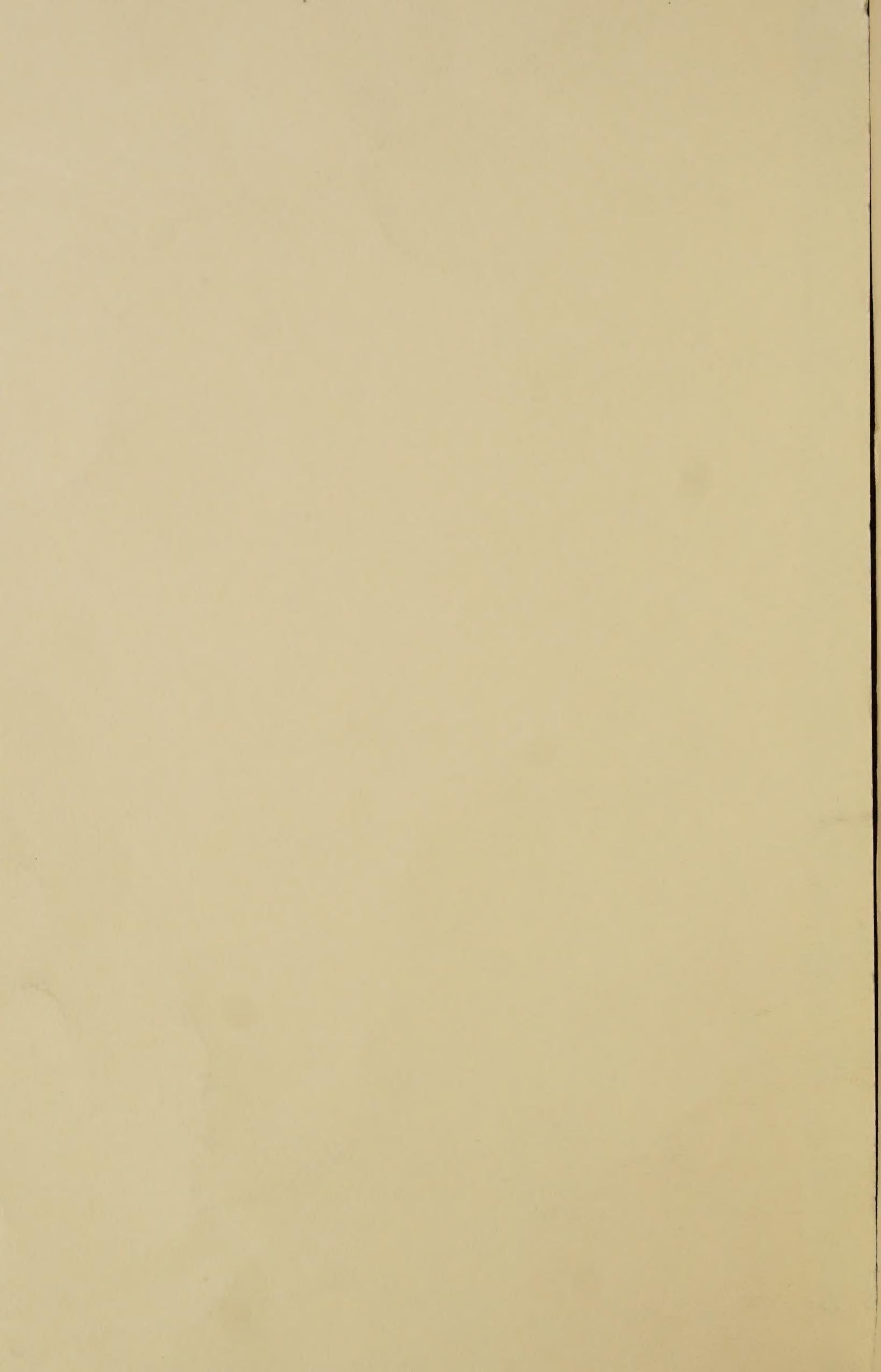


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# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS AND

### MOTION PICTURES\*

U. S. DEPARTMENT OF AGRICULTURE

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### BULLETIN OF THE MONTH

#### The Multiflora Rose for Fences and Wildlife Leaflet 374

The use of this living fence in soil conservation and erosion control, and as an ornamental is described here.

### FARMERS' BULLETINS

**Sagebrush burning: Good and bad.** Joseph F. Pechanec, George Stewart, and James P. Blaisdell. Forest Service. 34 p., illus. (F 1948, rev.) Price 20¢.

The results of investigations described in this revised publication have shown, that, when properly used, burning to remove dense stands of sagebrush can under certain conditions be a useful tool in improving the production of forage on rangelands.

### LEAFLETS

**Wipe out brucellosis.** Agricultural Research Service. Folder. (L 369, rev.) Price 5¢.

Recommended plans as aids in the eradication of brucellosis are given in this revision.

**The multiflora rose for fences and wildlife.** Wallace L. Anderson and Frank C. Edminster. Soil Conservation Service. 8 p., illus. Supersedes L 256. (L 374.) Price 5¢. See above.

**Infrared lamps . . . their use in brooding pigs.** John G. Taylor. Agricultural Research Service. 4 p., illus. (L 381.) Price 5¢.

The advantages of using this type of heat during and after farrowing are given.

### AGRICULTURE HANDBOOKS

**Seeding rangelands in Utah, Nevada, southern Idaho, and western Wyoming.** A. Perry Plummer, A. C. Hull, Jr., George Stewart, and Joseph H. Robertson. Forest Service. 73 p., illus. (AH 71.) Price 30¢. FOR SALE ONLY.

This new bulletin gives up-to-date information developed by years of experimental planting. It recommends that artificial seeding is a major and direct means of vastly increasing forage production and controlling erosion.

### AGRICULTURE INFORMATION BULLETINS

**Protecting the forests from fire.** Forest Service. 32 p., illus. (AB 130.) Price 15¢.

The complex problem of forest fires, fire-fighting methods and the status of protection today are discussed here.

### MARKETING RESEARCH REPORTS

**Preferences for canned orange juices that vary in brix-acid ratio.** James A. Bayton and Hugh P. Bell. Agricultural Marketing Service. 30 p., illus. (MRR 76.) Price 20¢. FOR SALE ONLY.

**Principles of layout for self-service meat departments.** Dale L. Anderson and Paul F. Shaffer. Agricultural Marketing Service. 37 p., illus. (MRR 77.) Price 25¢. FOR SALE ONLY.

\*Compiled by Eleanor W. Clay, Office of Information.

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### TECHNICAL BULLETINS

**Bark structure of North American conifers.** Ying-Pe Chang. Forest Service. 86 p., illus. (T 1095.) Price 35¢. **FOR SALE ONLY.**

Results of a study on the characteristics of bark structure are presented.

**Rainfall sampling on rugged terrain.** E. L. Hamilton. Forest Service. 41 p., illus. (T 1096.) Price 20¢. **FOR SALE ONLY.**

In this report are presented the results of detailed research into the process of how much precipitation is delivered to mountain watersheds, and recommendations for improvement in rainfall sampling procedure.

**Experiments in breeding Jersey cattle at Beltsville: An analysis of the foundation cows of the first outbred generation.** M. H. Fohrman and J. B. Parker. Agricultural Research Service. 62 p., illus. (T 1101.) Price 25¢. **FOR SALE ONLY.**

A description and general discussion of the Jersey breeding project at the dairy experiment station at Beltsville, Md., is presented.

**Serviceability of sheets composed wholly or in part of cotton and viscose staple rayon.** Verda I. McLendon and Suzanne Davison. Agricultural Research Service. 57 p., illus. (T 1103.) Price 30¢. **FOR SALE ONLY.**

Reported here are the results of physical, chemical, and microscopic tests on sheetings made entirely or in part from rayon staple and from cotton of known genetic origin.

**The demand and price structure for selected vegetables.** D. Milton Shuffett. Agricultural Marketing Service. 133 p., illus. (T 1105.) Price 40¢. **FOR SALE ONLY.**

This bulletin brings together economic and statistical information concerning the utilization and prices of several important vegetable crops. The major economic forces that influence the demand and price are discussed in detail and statistical analyses designed to measure their effects are presented.

### OTHER PUBLICATIONS

**Capacity of refrigerated warehouses in the United States.** Melvin R. Banks. Agricultural Marketing Service. 34 p., illus. (SB 148.) Price 25¢. **FOR SALE ONLY.**

**Dairy and poultry market statistics, 1953.** Agricultural Marketing Service. 125 p. (SB 151.) Price 60¢. **FOR SALE ONLY.**

**Developing butterfat sampling and testing programs.** Homer J. Preston. Farmer Cooperative Service. 52 p., illus. (FCS Bul. 5.) Price 25¢.

**Forestry schools in the United States.** Forest Service. 10 p.

**Guide for teaching farmer cooperation.** John H. Heckman. Farmer Cooperative Service in cooperation with the American Institute of Cooperation. 36 p., illus. (FCS Ed. Cir. 3.) Price 15¢.

**Progress in farm-to-plant bulk milk handling.** Noel Stocker. Farmer Cooperative Service. 53 p., illus. (FCS Cir. 8.) Price 25¢.

**Rules and regulations relating to viruses, serums, toxins, and analogous products, and to certain organisms and vectors.** Agricultural Research Service. 88 p., rev.

### PERIODICALS

**Agricultural economics research.** Vol. VII, No. 1, January 1955. Price 20¢ a copy, 75¢ a year, domestic, \$1.00 a year, foreign. **FOR SALE ONLY.**

**Agricultural research.** Vol. 3, No. 7, January 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. **FOR SALE ONLY.**

**The agricultural situation.** Vol. 39, No. 1, January 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. **FOR SALE ONLY.**

**Agriculture decisions.** Vol. 13, No. 11, November 1954. Price of single copy varies depending on size. \$4.00 a year, domestic; \$5.00 a year, foreign. **FOR SALE ONLY.**

**Bibliography of agriculture.** Vol. 18, No. 12, December 1954; Vol. 19, No. 1, January 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. **FOR SALE ONLY.**

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**Extension service review.** Vol. 25, No. 12, December 1954; Vol. 26, No. 1, January 1955. Price 10¢ a copy, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Fire control notes.** Vol. 16, No. 1, January 1955. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign. **FOR SALE ONLY.**

**Foreign agriculture.** Vol. XIX, No. 1, January 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Marketing activities.** Vol. 18, No. 1, January 1955. Price 15¢ a copy, \$1.75 a year, domestic; \$2.25 a year, foreign. **FOR SALE ONLY.**

**News for farmer cooperatives.** Vol. 21, No. 10, January 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Rural lines.** Vol. 1, No. 8, January 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XX, No. 6, January 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. **FOR SALE ONLY.**

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## MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent for educational purposes to groups and organizations or may be purchased outright. Prints of Department films may be obtained from 75 cooperating film libraries in the 48 States, the District of Columbia, and the Territories of Alaska, Hawaii, and Puerto Rico.

### U.S.D.A. MOTION PICTURES ANNOUNCED DURING 1954

**BLUE TONGUE.** 16 mm., sound, color. Running time, 9 minutes. (Described in November 1954 issue.)

**DEFENSIVE DRIVING.** 16 mm., sound, black and white. Running time, 13 minutes. (Described in April 1954 issue.)

**LONGER LIFE FOR WOOD.** 16 mm., sound, color; also black and white. Running time, 17 minutes. (Described in April 1954 issue.)

**POLE INSPECTION AND MAINTENANCE.** 16 mm., sound, color. Running time, 22 minutes. (Described in August 1954 issue.)

**RAINBOW VALLEY.** 16 mm., sound, color; also black and white. Running time, 28 minutes. (Described in May 1954 issue.)

**SCRAPIE.** 16 mm., sound, color. Running time, 8 minutes. (Described in November 1954 issue.)

**THE SMALL SAWMILL.** 16 mm., sound, color. Running time, 28 minutes. (Described in November 1954 issue.)

**THE THREAT OF THE CATTLE FEVER TICK.** 16 mm., sound, color. Running time, 15 minutes. (Described in October 1954 issue.)

**TYPICAL TELEVISION INTERFERENCE PATTERNS.** 16 mm., sound, black and white. Running time, 11 minutes. (Described in June 1954 issue.)

**VESICULAR EXANTHEMA.** 16 mm., sound, color. Running time, 16 minutes. (Described in May 1954 issue.)

**VICIOUS CIRCLE.** 16 mm., sound, color. Running time, 21 minutes. (Described in July 1954 issue.)

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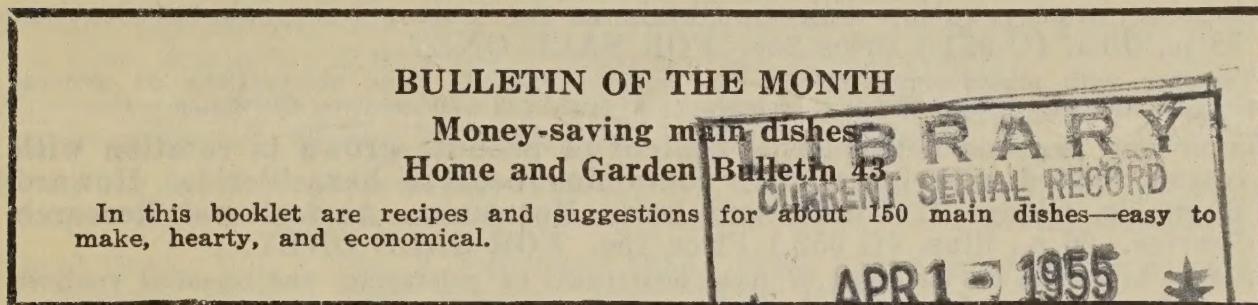
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BULLETIN OF THE MONTH

Money-saving main dishes  
Home and Garden Bulletin 43

In this booklet are recipes and suggestions for about 150 main dishes—easy to make, hearty, and economical.

FARMERS' BULLETINS

Storage of ear corn on the farm in the North Central States. R. K. Shedd. Agricultural Research Service. 20 p., illus. Supersedes F 2010. (F 2076.) Price 15¢.

Types of storage construction and crib requirements for the successful storage of corn in this commercial producing area are given in this revision.

LEAFLETS

Land leveling for irrigation. John G. Barnesberger. Soil Conservation Service. 8 p., illus. (L 371.) Price 5¢.

If you are interested in grading and smoothing your land with the idea of irrigating, this leaflet will guide you.

The fowl tick: How to control it. Agricultural Research Service. Folder, illus. Supersedes F 1070. (L 382.) Price 5¢.

Control measures are given.

AGRICULTURE HANDBOOKS

Compilation of statutes relating to soil conservation, marketing quotas and allotments, crop insurance, sugar payments and quotas, price support, Commodity Credit Corporation, and related statutes as of January 1, 1955. Commodity Stabilization Service. 193 p. (AH 79.) Price 55¢. FOR SALE ONLY.

This is a compilation of the provisions of the several agricultural acts in effect on January 1, 1955.

Commercial vegetables for fresh market: Usual planting and harvesting dates and principal producing areas. Agricultural Marketing Service. 120 p. (AH 80.) Price 60¢. FOR SALE ONLY.

This bulletin contains information by States on the usual planting and harvesting dates, and principal producing areas for the 28 principal vegetable and melon crops grown for fresh market, and for strawberries and mint for oil.

AGRICULTURAL INFORMATION BULLETINS

Food consumption of farm families, Meeker and Wright Counties, Minnesota, 1950. Faith Clark and Corinne B. LeBovit. 112 p., illus. (AB 127.) Price 40¢. FOR SALE ONLY.

This survey of farm family food consumption in two counties of Minnesota in the spring of 1950 was undertaken to provide up-to-date information on the consumption patterns and dietary levels of the small, homogeneous group of farm families.

\*Compiled by Eleanor W. Clay, Office of Information.

PUBLICATIONS FOR SALE ONLY, SEE HOW TO ORDER ABOVE.

**The changing fertility of New England soils. Agricultural Research Service.**  
**89 p., illus. (AB 133.) Price \$1.00. FOR SALE ONLY.**

The purpose of this bulletin is to bring together the lines of evidence that indicate fertility trends in New England soils. This study should serve as a useful guidepost in pointing up the future direction of agricultural development both in New England and in the United States.

**Price programs. Harry W. Henderson. Commodity Stabilization Service.**  
**107 p. Supersedes AB 13. (AB 135.) Price 35¢. FOR SALE ONLY.**

The United States Department of Agriculture carries on a number of operations aimed at protecting prices received by farmers for agricultural commodities. These operations, commonly referred to as "price programs" are described here.

**CIRCULARS**

**Crop rotation, tillage, and fertility experiments at the Lawton (Okla.) Field Station 1917-49. W. M. Osborn and O. R. Mathews. Agricultural Research Service, in cooperation with the Oklahoma Agricultural Experiment Station.**  
**58 p., illus. (C 951.) Price 25¢. FOR SALE ONLY.**

Together with experimental results this bulletin presents some observations on general experience and present-day trends in practical agriculture in southwestern Oklahoma.

**Flavor and benzene hexachloride content of peanuts grown in rotation with cotton, dusted with insecticides containing benzene hexachloride. Howard Reynolds, Gladys L. Gilpin, and Irwin Hornstein. Agricultural Research Service.**  
**26 p., illus. (C 952.) Price 15¢. FOR SALE ONLY.**

Results of studies on the effect of these insecticides on palatability and chemical analyses of peanuts are presented.

**HOME AND GARDEN BULLETINS**

**Money-saving main dishes. Agricultural Research Service. 48 p. Supersedes L 289. (G 43.) Price 20¢. See page 1.**

**SERVICE AND REGULATORY ANNOUNCEMENTS**

**Service and regulatory announcements. January-December 1953. Plant Pest Control Branch and Plant Quarantine Branch, Agricultural Research Service.**  
**127 p. (SRA-PPC & PQ 182.)**

**SOIL SURVEYS**

**Decatur County, Tennessee. L. E. Odom, Thomas Fowlkes, M. M. Striker, James Tyer, R. H. Deere, E. A. Townsend, W. C. Sams, and S. R. Bacon. Soil Conservation Service in cooperation with the Tennessee Agricultural Experiment Station and the Tennessee Valley Authority. Series 1941, No. 12. 221 p., illus. Price \$3.00. FOR SALE ONLY.**

**TECHNICAL BULLETINS**

**Effects of some cultural practices on grass production at Mandan, North Dakota. Jesse L. McWilliams. Soil Conservation Service. 28 p., illus. (T 1097.) Price 15¢. FOR SALE ONLY.**

Results of tests on the establishment of grass stands in soil conservation and general agricultural operations in the Northern Great Plains are given.

**Composite volume tables for timber and their application in the Lake States. S. R. Gevorkiantz and L. P. Olsen. Forest Service. 51 p., illus. (T 1104.) Price 25¢. FOR SALE ONLY.**

Volume tables showing the contents of trees of given sizes according to some unit of measure are essential to most forestry work. The basic pattern of the tables, their use and accuracy, and the various adjustment factors are presented in this report.

**Ecological studies on the potato psyllid as a pest of potatoes. R. L. Wallis. Agricultural Research Service. [25] p., illus. (T 1107.) Price 15¢. FOR SALE ONLY.**

This survey was undertaken to provide information that would be useful as a guide to control measures.

**OTHER PUBLICATIONS**

**Production of manufactured dairy products, 1953. Agricultural Marketing Service. 37 p., illus. (SB 152.) Price 25¢. FOR SALE ONLY.**

**Red rot of ponderosa pine. Stuart R. Andrews. Forest Service. 34 p., illus. (AM 23.) Price 30¢. FOR SALE ONLY.**

**Voluntary health insurance: Selected annotated references.** Elsie S. Manny. Agricultural Marketing Service. 62 p. (B 25.) Price 25¢. FOR SALE ONLY.

#### PERIODICALS

**Agricultural research.** Vol. 3, No. 8, February 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. FOR SALE ONLY.

**The agricultural situation.** Vol. 39, No. 2, February 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. FOR SALE ONLY.

**Bibliography of agriculture.** Vol. 19, No. 2, February 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. FOR SALE ONLY.

**Extension service review.** Vol. 26, No. 2, February 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. FOR SALE ONLY.

**Foreign agriculture.** Vol. XIX, No. 2, February 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

**Marketing activities.** Vol. 18, No. 2, February 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

**News for farmer cooperatives.** Vol. 21, No. 11, February 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. FOR SALE ONLY.

**Rural lines.** Vol. 1, No. 9, February 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

**Soil conservation.** Vol. XX, No. 7, February 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. FOR SALE ONLY.

**Index to Volume XIX, August 1953 to July 1954.** Price 10¢.

#### MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent for educational purposes to groups and organizations or may be purchased outright. Prints of Department films may be obtained from 75 cooperating film libraries in the 48 States, the District of Columbia, and the Territories of Alaska, Hawaii, and Puerto Rico.

**CORN.** 16 mm., sound, color; also black and white. Running time, 16 minutes. (Released 1953.)

Portrays measures to be taken, as a result of intensive research, to achieve more efficient production of this crop. By increasing the yield per acre,

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additional land can be turned into grassland or used for other crops. Emphasizes use of hybrid corn, sound land preparation techniques, better planting and picking practices, and modern storage methods. The menace of insects and rodents to corn both on the stalk and in storage is also depicted. (Available for loan from film libraries in the Corn Belt and other states where corn is a major crop. Available for purchase from United World Films, 1445 Park Avenue, New York 29, N. Y., for \$89.23. TV use permitted.)

**VESICULAR EXANTHEMA.** 16 mm., sound, in color. Running time, 16 minutes. (Released 1954.)

Tells the story of the outbreak of vesicular exanthema in 1952, its rapid spread, and measures taken to control it. Shows disease symptoms; depicts differential diagnostic field tests, and reviews Federal—State—Industry cooperation in eradication efforts, including the proper cooking of garbage fed to swine to curb the spread of vesicular exanthema as well as other diseases. The film stresses that any campaign to control outbreaks and eradicate animal diseases requires the cooperation of everyone connected with the livestock industry, from the producer to the consumer. Produced in collaboration with the Federal Civil Defense Administration, this picture is a graphic example of the dangers of infectious diseases to the livestock industry of the Nation. (Available from most state college film libraries. TV use permitted.)

**VIOUS CIRCLE.** 16 mm., sound, in color. Running time, 21 minutes. (Released 1954.)

This picture portrays the avian type of tuberculosis, which causes an annual loss of several million dollars to owners of chickens and hogs. Although the disease is now most prevalent in the North Central States, its spread is a threat to all farms in the United States where chickens are raised. As shown, detection of tuberculosis in poultry flocks is difficult and, when found, prompt measures should be taken to eliminate the disease. Once tuberculosis is eliminated, it is recommended that, in all flocks maintained for egg and food production, the entire flock be replaced at least every 18 months, both to prevent recurrence of the disease and to maintain top efficiency of laying hens. In flocks maintained for breeding purposes, the tuberculin test should be used annually with prompt removal of reactors for slaughter, followed by thorough cleaning and disinfecting of premises. Since hogs contact the disease by their association with chickens, it is necessary to segregate them to avoid contamination. (Available from Extension Service and State College film libraries. TV use permitted.)

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### BULLETIN OF THE MONTH

More and better foods . . . from today's pay check  
Agriculture Information Bulletin 138

An hour of your labor will now buy more food—and better food—for your family than ever before. This bulletin is a pictorial story about food and the sweeping changes in production on the farm, in processing and distribution and in the home, 30 years ago and now.

### FARMERS' BULLETINS

**Care and management of dairy bulls.** J. B. Parker and P. C. Underwood.  
Agricultural Research Service. 22 p., illus. (F 1412, rev.) Price 15¢.

This bulletin tells briefly how to handle dairy bulls safely, how to keep them in good condition, and discusses numerous problems bearing on their care and management.

**Cotton diseases and methods of control.** John T. Presley. Agricultural Research Service. 21 p., illus. (F 1745, rev.) Price 20¢.

To combat diseases, the cotton grower needs to know what organisms cause them, what their symptoms are, and what the most effective control measures are. This revised bulletin gives such information on the more important cotton diseases.

### LEAFLETS

**Chestnut weevils: How to control them.** Agricultural Research Service. 8 p., illus. (L 384.) Price 5¢.

This leaflet describes chestnut weevils and recommends measures for controlling them.

### AGRICULTURE HANDBOOKS

**Employee handbook.** Office of Personnel. 54 p., illus. (AH 23, rev.) **FOR DEPARTMENTAL USE ONLY.**

**Outlines for 4-H Club grain grading demonstrations.** Willis B. Combs and A. W. Jacob. Federal Extension Service. [38] p., illus. (AH 77.) Price 20¢. **FOR SALE ONLY.**

Suggestions for 4-H Club team members in planning grain-grading demonstrations are given in this bulletin.

### AGRICULTURE INFORMATION BULLETINS

**Food consumption of urban families in the United States. . . . with an appraisal of methods of analysis.** Faith Clark, Janet Murray, Gertrude S. Weiss, and Evelyn Grossman. Agricultural Research Service. 203 p., illus. (AB 132.) Price \$1.00. **FOR SALE ONLY.**

This bulletin presents the results of surveys made in 1948-49 in which approximately 4,500 schedules were furnished by households on their food consumption for a week and on certain family characteristics.

**In your service: The work of Uncle Sam's forest rangers.** Forest Service. [24] p., illus. (AB 136.) Price 20¢.

This is a story about the men who protect, manage and improve your forests and their resources for your benefit and use.

\*Compiled by Eleanor W. Clay, Office of Information.

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**Summary of fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1954.** Agricultural Marketing Service. 43 p., illus. (AB 137.) Price 30¢. **FOR SALE ONLY.**

Results of tests on fiber and manufacturing properties of the principal varieties of cotton produced commercially by cotton improvements groups for the 1954 crop are summarized in this report.

**More and better food . . . from today's pay check.** U. S. Department of Agriculture. 43 p., illus. (AB 138.) Price 15¢. See page 1.

#### HOME AND GARDEN BULLETINS

**Cabbage insects: How to control them in the home garden.** W. J. Reid, Jr. and F. P. Cuthbert, Jr. Agricultural Research Service. Folder. illus. (G 44.) Price 5¢.

Instructions on how to prepare, use and apply the right insecticide for the control of cabbage insects that attack your garden are given.

#### MARKETING RESEARCH REPORTS

**Innovations in apple handling methods and equipment.** Earl W. Carlsen, Raoul S. Duerden, D. Loyd Hunter, and Joseph F. Herrick, Jr. Agricultural Marketing Service. 89 p., illus. (MRR 68.) Price 50¢. **FOR SALE ONLY.**

**Costs of operating selected feed mills as influenced by volume, services, and other factors.** V. John Brensike and William R. Askew. Agricultural Marketing Service. 45 p., illus. (MRR 79.) Price 30¢. **FOR SALE ONLY.**

**Improving the efficiency of retail grocery clerks by better training.** Martin Kriesberg. Agricultural Marketing Service. 38 p., illus. (MRR 82.) Price 30¢. **FOR SALE ONLY.**

#### SOIL SURVEYS

**Cocke County, Tennessee.** T. E. Beesley, Robert Wildermuth, S. R. Bacon, B. L. Matzek, W. E. Cartwright, J. A. Elder, and W. C. Sams. Soil Conservation Service in cooperation with the Tennessee Agricultural Experiment Station and the Tennessee Valley Authority. 171 p., illus. Series 1944, No. 4. Price \$6.00. **FOR SALE ONLY.**

**Huron County, Ohio.** Robert Wildermuth, G. A. Mickelson, and W. S. Mozier. Soil Conservation Service in cooperation with the Ohio Agricultural Experiment Station. 157 p., illus. Series 1942, No. 9. Price \$1.75. **FOR SALE ONLY.**

#### TECHNICAL BULLETINS

**Root-growth stoppage resulting from defoliation of grass.** Franklin J. Crider. Soil Conservation Service. 23 p., illus. (T 1102.) Price 15¢.

This investigation included studies of the extent to which removal of the foliage of grass causes root growth to stop, and the influence of this reaction upon root production.

#### OTHER PUBLICATIONS

**Broomcorn: Acreage, yield, production, price and value by states, 1915-52.** Agricultural Marketing Service. 14 p. (SB 155.) Price 10¢. **FOR SALE ONLY.**

**Cotton quality statistics, United States, 1953-54.** Agricultural Marketing Service. 60 p., illus. (SB 154.) Price 40¢. **FOR SALE ONLY.**

**Financing farmers' cooperatives.** E. A. Stokdyk. Farmer Cooperative Service. [13] p. (FCS Ed. Cir. 5.) Price 10¢. **FOR SALE ONLY.**

**Incense-cedar.** H. S. Betts. Forest Service. 4 p., illus. Price 5¢. **FOR SALE ONLY.**

**Index-catalogue of medical and veterinary zoology. Supplement 3. Authors: A to I.** Mildred A. Doss and Judith M. Humphrey. Agricultural Research Service. Pp. 459-844. Price \$1.25. **FOR SALE ONLY.**

**Japanese beetle.** Agricultural Research Service. 1 p., illus. (PS 4, rev.) Price 5¢.

**Recombined milk: A dependable supply of fluid milk far from the cow.** D. R. Strobel and C. J. Babcock. Foreign Agricultural Service. 20 p., illus. (FAR 84.) Price 15¢. **FOR SALE ONLY.**

**Red rot of ponderosa pine.** Stuart R. Andrews. Forest Service. 34 p., illus. (AM 23.) Price 30¢. **FOR SALE ONLY.**

**Relative use of feeds for livestock including pasture . . . by states.** R. D. Jennings. Agricultural Research Service. 59 p., illus. (SB 153.) Price 40¢. **FOR SALE ONLY.**

**Using your livestock co-op.** C. G. Randell. Farmer Cooperative Service. 16 p., illus. (FCS Ed. Cir. 4.) Price 10¢. **FOR SALE ONLY.**

#### PERIODICALS

**Agricultural finance review.** Vol. 17, November 1954. Issued annually. No subscription. Price 60¢. **FOR SALE ONLY.**

**Agricultural research.** Vol. 3, No. 9, March 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. **FOR SALE ONLY.**

**The agricultural situation.** Vol. 39, No. 3, March 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. **FOR SALE ONLY.**

**Agriculture decisions.** Vol. 14, No. 1, January 1955. Price of single copy varies depending on size. \$4.00 a year, domestic; \$5.00 a year, foreign. **FOR SALE ONLY.**

**Bibliography of agriculture.** Vol. 19, No. 3, March 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. **FOR SALE ONLY.**

**Extension service review.** Vol. 26, No. 3, March 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Foreign agriculture.** Vol. XIX, No. 3, March 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Marketing activities.** Vol. 18, No. 3, March 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**News for farmer cooperatives.** Vol. 21, No. 12, March 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Rural lines.** Vol. 1, No. 10, March 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XX, No. 8, March 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. **FOR SALE ONLY.**

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**THE EUROPEAN CORN BORER.** 16 mm., sound, in color. Running time, 10 minutes. Released 1948.

The European corn borer first made its appearance in the United States in 1917. This insect pest has multiplied in great numbers since then and is now a threat to corn crops in 1,596 counties in 37 states. It is estimated that 7% of the total 1954 corn crop was destroyed by the European corn borer, for a loss of \$261 million, which is more than double the 1953 loss. This film discusses measures for controlling corn borer damage, tells the farmer how to recognize and where to find the insect eggs, and the best times to use insecticides. Various insecticides are reviewed and different types of spraying equipment are shown. In interesting detail, with the aid of the close-up camera, is the life-cycle of the borer—from egg to borer, to moth, and back again to egg. (Available for loan from Federal Extension Service and State College film libraries in infested states and for purchase from United World Films, Inc., 1445 Park Avenue, New York 29, N. Y., for \$58.37.)

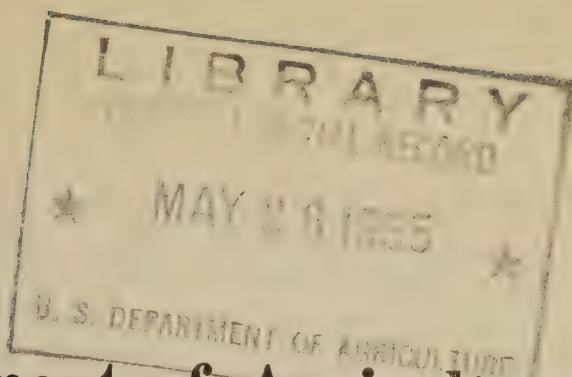
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### FARMERS' BULLETINS

**Sweetpotato diseases.** Agricultural Research Service and Agricultural Marketing Service. 26 p., illus. (F 1059, rev.) Price 15¢.

**Soybean diseases.** Howard W. Johnson, Lehman. Agricultural Research Service. 16 p. Chamberlain, and S. G. (F 2077.) Price 10¢.

This bulletin describes the symptoms of the more important soybean diseases and discusses control measures that can be used.

**Farm methods of cooling milk.** Fred M. Grant. Agricultural Research Service. 16 p., illus. Supersedes F 976. (F 2079.) Price 10¢.

Milk that is not cooled promptly deteriorates rapidly and usually brings a lower price than milk that is properly cooled. Methods for cooling milk and keeping it cold are discussed.

### LEAFLETS

**Poultry mites: How to control them.** Agricultural Research Service. Folder, illus. (L 383.) Price 5¢.

Poultry mites retard the growth of poultry, lower vitality, damage plumage, and reduce egg production. The insecticide to use, its strength, and the method of applying it depend on the kind of mite to be controlled. This type of information is given in this folder.

### AGRICULTURE HANDBOOKS

**Cattle shelters and equipment for southern States.** United States Department of Agriculture. 32 p., illus. (AH 81.) Price 25¢. **FOR SALE ONLY.**

The plans illustrated in this publication incorporate the latest research findings and the best available information on the arrangement and construction of buildings and equipment for beef cattle production. Instructions for ordering working drawings are included.

### CIRCULARS

**Range seeding in the ponderosa pine zone in Colorado.** A. C. Hull, Jr. and W. M. Johnson. Forest Service. 40 p., illus. (C 953.) Price 20¢. **FOR SALE ONLY.**

Research results and experience from numerous seedings in the ponderosa pine zone are summarized in this circular to guide ranchers and range managers in seeding ranges successfully.

### TECHNICAL BULLETINS

**Oat identification and classification.** T. R. Stanton. Agricultural Research Service. 206 p., illus. (T 1100.) Price \$1.50. **FOR SALE ONLY.**

This bulletin contains the description, history, distribution, and synonymy of the botanical and agricultural varieties of oats grown commercially.

\* Compiled by Eleanor W. Clay, Office of Information.

PUBLICATIONS FOR SALE ONLY. SEE HOW TO ORDER ABOVE.

**Relative effects of continuous and interrupted growth on beef steers.** C. F. Winchester and Paul E. Howe. Agricultural Research Service. 34 p., illus. (T 1108.) Price 15¢. FOR SALE ONLY.

The research reported here was undertaken to determine some effects of a delay in growth on subsequent performance of beef cattle. Data were compiled on the effects of growth interruption on subsequent efficiency of feed utilization, quality of meat, and proportion of the carcass represented by lean meat.

#### MARKETING RESEARCH REPORTS

**Potential savings by shipping cauliflower in double-layer packs.** B. M. Masters, J. C. Winter, and B. P. Rosanoff. Agricultural Marketing Service. 16 p., illus. (MRR 78.) Price 10¢. FOR SALE ONLY.

**Prices and other payments for milk by manufacturers in Kansas, Missouri, and Oklahoma markets.** Alexander Swantz. Agricultural Marketing Service. 40 p., illus. (MRR 81.) Price 25¢. FOR SALE ONLY.

**Marketing Georgia broilers through commercial processing plants.** John O. Gerald and Humbert S. Kahle. Agricultural Marketing Service. 53 p., illus. (MRR 83.) Price 35¢. FOR SALE ONLY.

**Packing and shipping lettuce in fiberboard cartons and wooden crates—A comparison.** Lawrence J. Voegeli, Edgar F. White, Bryce Masters, and P. L. Breakiron. Agricultural Marketing Service. 30 p., illus. (MRR 86.) Price 25¢. FOR SALE ONLY.

**Some economic considerations in storing seed cotton at gins.** John E. Ross, Jr. Agricultural Marketing Service. 28 p., illus. (MRR 87.) Price 20¢. FOR SALE ONLY.

#### OTHER PUBLICATIONS

**Development of agriculture's taxes—Sources: A report on problems of low-income farmers.** Department of Agriculture. 44 p., illus. FOR SALE ONLY.

**Wheat: Acreage, yield, and production, by states, 1866-1943.** Agricultural Marketing Service. 69 p. (SB 158.) Price 40¢. FOR SALE ONLY.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Notices of judgment under the Federal Insecticide, Fungicide, and Rodenticide Act.** Plant Pest Control Branch, Agricultural Research Service. Pp. 141-162. (NJ, IFR 201-230.)

#### PERIODICALS

**Agricultural economics research.** Vol. VII, No. 2, April 1955. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign. FOR SALE ONLY.

**Agricultural research.** Vol. 3, No. 10, April 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. FOR SALE ONLY.

**The agricultural situation.** Vol. 39, No. 4, April 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. FOR SALE ONLY.

**Agriculture decisions.** Vol. 14, No. 2, February 1955. Price of single copy varies depending on size. \$3.00 a year, domestic; \$4.00 a year, foreign. FOR SALE ONLY.

**Bibliography of agriculture.** Vol. 19, No. 4, April 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. FOR SALE ONLY.

**Extension service review.** Vol. 26, No. 4, April 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. FOR SALE ONLY.

**Fire control notes.** Vol. 16, No. 2, April 1955. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign. FOR SALE ONLY.

**Foreign agriculture.** Vol. XIX, No. 4, April 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

**Marketing activities.** Vol. 18, No. 4, April 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

**News for farmer cooperatives.** Vol. 22, No. 1, April 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Rural lines.** Vol. I, No. 11, April 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XX, No. 9, April 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. **FOR SALE ONLY.**

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**LONGER LIFE FOR WOOD (The Role of Preservatives in Protecting Wood).**  
16 mm., sound, in color; also black and white. Running time, 17 minutes.  
Released 1954.

Designed to show the average user of wood the economic advantages of using treated wood in places where decay is likely to occur. Shows the value of good construction, and how improper construction can lead to early decay in wood. Portrays treatment of wood with preservatives in commercial treating plants, as well as home treatments on the farm and in the city. (Available from film libraries in the southern States, also available for loan from regional offices of the Forest Service at Denver, Colo.; Missoula, Mont.; Albuquerque, N. Mex.; Ogden, Utah; Portland, Ore.; San Francisco, Calif.; Milwaukee, Wis.; Atlanta, Ga.; and Upper Darby, Pa. Available for purchase from United World Films, Inc., 1445 Park Avenue, New York 29, N. Y., for \$80.69.) TV use permitted.

**UPSTREAM WHERE FLOODS BEGIN.** 16 mm., sound, black and white.  
Running time, 11 minutes. Released 1954.

A filmograph (filmstrip on motion picture film) telling the story of the watershed protection work of the Soil Conservation Service. It explains how conservation land treatment and the construction of upstream structures lessen the threat of flood damage and benefit the farming community. The work done on Sandstone Creek. (Available only by purchase, with preview, from United World Films, Inc., 1445 Park Avenue, New York 29, N. Y., for \$19.03.) TV use permitted.

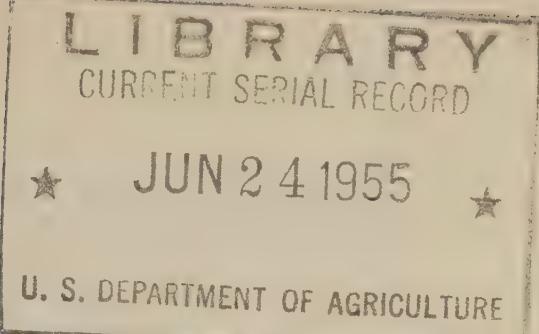
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### BULLETIN OF THE MONTH Do You Get Enough Milk? Home and Garden Bulletin 47.

This bulletin features milk as a nutritious, important and valuable food.

#### FARMERS' BULLETINS

**Cleaning and sanitizing farm milk utensils.** Fred M. Grant. Agricultural Research Service. 10 p., illus. Supersedes F 1675. (F 2078.) Price 10¢. The care and use of equipment in the production of high-quality milk is the subject of this bulletin.

**Commercial production of greenhouse tomatoes.** William S. Porte and Floyd F. Smith. Agricultural Research Service. 30 p., illus. Supersedes F 1431. (F 2082.) Price 15¢.

The successful culture of this important greenhouse crop is discussed in this new bulletin.

#### AGRICULTURE HANDBOOKS

**Wood-frame house construction.** L. O. Anderson and O. C. Heyer. Forest Service. 235 p., illus. (AH 73.) Price 65¢. **FOR SALE ONLY.**

The purpose of this publication is to present sound principles for wood-frame house construction and suggestions for selecting suitable materials in a manner that will greatly assist in the construction of a good house even by those without previous construction experience.

#### CIRCULARS

**The Chinese waterchestnut.** W. H. Hodge and David A. Bisset. Agricultural Research Service. 16 p., illus. (C 956.) Price 15¢. **FOR SALE ONLY.**

The culture and use of this specialty crop which can be grown successfully in the southern areas of the Atlantic Coastal Plain is discussed.

**Carbon dioxide immobilization of turkeys before slaughter.** Edwin E. Drewniak, Edward R. Baush, and Lyle L. Davis. Agricultural Marketing Service. 9 p., illus. (C 958.) Price 10¢. **FOR SALE ONLY.**

Results of research are given on processing turkeys to reduce handling problems and decrease the number of downgraded carcasses due to bruises, broken bones, torn skin, and other defects.

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## HOME AND GARDEN BULLETINS

**Do you get enough milk?** Agricultural Research Service. [8] p., illus. (G 47.) Price 5¢. See page 1.

## MARKETING RESEARCH REPORTS

**The market for food in selected public and private institutions.** William S. Hoofnagle, Philip B. Dwoskin, and James A. Bayton. Agricultural Marketing Service. 38 p. (MRR 84.) Price 20¢. FOR SALE ONLY.

**Wholesale produce markets—management, operating expenses, and income.** J. Stanford Larson. Agricultural Marketing Service in cooperation with the National Association of Produce Market Managers. 130 p., illus. (MRR 91.) Price 65¢. FOR SALE ONLY.

## TECHNICAL BULLETINS

**Cooking quality and compositional factors of potatoes of different varieties from several commercial locations.** Peter H. Heinze, Mary E. Kirkpatrick, and Elsie F. Dochterman. Agricultural Marketing Service and Agricultural Research Service. 69 p., illus. (T 1106.) Price 35¢. FOR SALE ONLY.

This study was made to determine the relationship between cooking quality and composition of potatoes.

**Observations on mass flights and other activities of the migratory grasshopper.** J. R. Parker, R. C. Newton, and R. L. Shotwell. Agricultural Research Service. 46 p., illus. (T 1109.) Price 20¢. FOR SALE ONLY.

Results are presented of a study on the development and habits of this insect. The relationship of migration to crop losses and cost of grasshopper control in the invaded areas is also given.

**Effect of picking maturity and ripening temperature on the quality of canned and frozen eastern-grown peaches.** C. W. Culpeper, M. H. Haller, K. D. Demaree, and E. J. Koch. Agricultural Marketing Service and Agricultural Research Service. 32 p., illus. (T 1114.) Price 15¢. FOR SALE ONLY.

This bulletin reports the results of a study made to provide information on how cold storage affects the quality of processed peaches.

## OTHER PUBLICATIONS

**Annual report on tobacco statistics, 1954.** Agricultural Marketing Service. 68 p., illus. (SB 157.) Price 40¢. FOR SALE ONLY.

**Brazil's tobacco production and trade.** James W. Birkhead. Foreign Agricultural Service. 18 p., illus. (FAR 82.) Price 15¢. FOR SALE ONLY.

**Commodity future statistics, July 1953—June 1954.** Commodity Exchange Authority. 60 p. (SB 160.) Price 35¢. FOR SALE ONLY.

**Extent and cost of spraying and dusting on farms—1952.** Albert P. Brodell, Paul E. Strickler, and Harold C. Phillips. Agricultural Research Service. 25 p. (SB 156.) Price 20¢. FOR SALE ONLY.

**Grain and feed statistics through 1954.** Agricultural Marketing Service. 99 p. (SB 159.) Price 50¢. FOR SALE ONLY.

**Index-catalogue of medical and veterinary zoology. Supplement 4. Authors: A to K.** Mildred A. Doss, Judith M. Humphrey, and Dorothy B. Segal. Agricultural Research Service. Pp. 845-970. Price 45¢. FOR SALE ONLY.

**Popular publications for the farmer and homemaker, 1955.** Eleanor W. Clay. Office of Information. 24 p. (Lt 5.)

## PERIODICALS

**Agricultural research.** Vol. 3, No. 11, May 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. FOR SALE ONLY.

**The agricultural situation.** Vol. 39, No. 5, May 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. FOR SALE ONLY.

**Agriculture decisions.** Vol. 14, No. 3, March 1955. Price of single copy varies depending on size. \$3.00 a year, domestic; \$4.00 a year, foreign. FOR SALE ONLY.

**Bibliography of agriculture.** Vol. 19, No. 5, May 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. **FOR SALE ONLY.**

**Extension service review.** Vol. 26, No. 5, May 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Foreign agriculture.** Vol. XIX, No. 5, May 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Marketing activities.** Vol. 18, No. 5, May 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**News for farmer cooperatives.** Vol. 22, No. 2, May 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Rural lines.** Vol. 1, No. 12, May 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XX, No. 10, May 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. **FOR SALE ONLY.**

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**A COMPASS FOR AGRICULTURE.** 16 mm., sound, in color; also black and white. Running time, 20 minutes. Released 1952.

This film describes the origin of the crop reporting work in American agriculture beginning about 1839. Shows in detail the Federal-State cooperation in collecting and compiling the statistics for the Crop Report. Gives a clear understanding of the wide coverage of the Crop Reporting Service and how the information is used by the Government to benefit the farmer. (Available for loan from Extension Service and State College film libraries. Available for purchase from United World Films, Inc., 1445 Park Ave., New York 29, N. Y., for \$105.75.) TV use permitted.

**WOODLAND MANNERS.** 16 mm., sound, in color; also black and white. Running time, 19 minutes. Released 1952.

Millions of people visit the National Forests each year for recreation, sport, rest, and relaxation. The recreation areas on these forests are of inestimable value, but they must be kept sanitary, attractive, and serviceable. This picture shows that it is up to every person who visits the National Forests to observe the necessary sanitary measures, to be careful with fire, to use just plain good American manners, and to leave his picnic spot in as good or better condition than he found it. Only by so doing can we continue to enjoy the swimming, hiking, camping, fishing, hunting, picnicking, and the unsurpassed beauty to be found on our National Forests. (Available for loan from a few libraries and from regional offices of the Forest Service at Denver, Colo.; Missoula, Mont.; Albuquerque, N. Mex.; Ogden, Utah; Portland, Ore.; San Francisco, Calif.; Milwaukee, Wisc.; Atlanta, Ga.; and Upper Darby, Pa.; Available for purchase from United Films for \$102.55.) TV use permitted.

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### BULLETIN OF THE MONTH

#### Mosquitoes: How to Control Them on Your Property Leaflet 386

This leaflet tells you how to control mosquitoes in and about your property.

### FARMERS' BULLETINS

**Feeding cattle for beef.** R. E. Davis. Agricultural Research Service. 17 p., illus. (F 1549, rev.) Price 10¢.

This bulletin has been revised to include the latest methods of fattening cattle.

**Vetch culture and uses.** P. R. Henson and H. A. Schoth. Agricultural Research Service. 24 p., illus. (F 1740, rev.) Price 15¢.

The cultivation and use of this crop for livestock feed, cover crop or green-manure crop is given in this revised bulletin.

**Harvesting with combines.** R. B. Gray. Agricultural Research Service. 42 p., illus. (F 1761, rev.) Price 20¢.

This revised bulletin presents information that will help a farmer-operator use his combine effectively in a variety of crops and under a variety of conditions.

**Grass crops in conservation farming.** Tom Dale and Grover F. Brown. Soil Conservation Service. 22 p., illus. (F 2080.) Price 15¢.

Valuable information on using grasses or legumes as effective tools in protecting and improving soil is given.

**The European corn borer and its control.** Agricultural Research Service. 20 p., illus. Supersedes F 1548. (F 2084.) Price 15¢.

Methods for effective control of this destructive pest are given.

### LEAFLETS

**Home-cured meat: How to protect it from insects.** Federal Extension Service and Agricultural Marketing Service. Folder, illus. Supersedes IS 52. (L 385.) Price 5¢.

This folder discusses protection of hams against insects and mites.

**Mosquitoes: How to control them on your property.** Agricultural Research Service. Folder, illus. Supersedes L 186. (L 386.) Price 5¢. See above.

### AGRICULTURE HANDBOOKS

**Energy value of foods . . . basis and derivation.** Annabel L. Merrill and Bernice K. Watt. Agricultural Research Service. 105 p. (AH 74.) Price 55¢.  
**FOR SALE ONLY.**

This publication has been prepared to provide more background information on food energy data than that given in current textbooks and food tables and to show the basic data drawn upon in deriving the revised calorie factors now used in tables of food composition in this country.

\* Compiled by Eleanor W. Clay, Office of Information.

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Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1954-55. Agricultural Research Service. 211 p. (AH 78.) Price 60¢. FOR SALE ONLY.

This is the annual directory of officials, their titles and addresses in the State Agricultural Experiment Stations and Land-Grant Colleges.

#### CIRCULARS

**Wheat-pea farming in Washington and Idaho, 1935-53 . . . farm costs and returns.** Edgar B. Hurd. Agricultural Research Service. 42 p., illus. (C 954.) Price 20¢.

This report is intended to present a summary of farm conditions in the Palouse Area. This report is expected to be useful in measuring the effects of past agricultural developments and in providing background information for formulation of future agricultural policy.

**Pulling machines for harvesting fiber flax.** Jesse E. Harmond and Leonard M. Klein. Agricultural Research Service in cooperation with the Oregon Agricultural Experiment Station. 13 p., illus. (C 955.) Price 10¢.

Information presented in this publication is the result of research to improve mechanical processes for handling fiber flax.

#### MARKETING RESEARCH REPORTS

**Storage in marketing farmers' stock peanuts.** Donald B. Agnew and Donald Jackson. Agricultural Marketing Service. 55 p., illus. (MRR 88.) Price 40¢. FOR SALE ONLY.

**The market potential for fats and oils in drying-oil uses.** Agricultural Marketing Service. 126 p., illus. (MRR 90.) Price 65¢. FOR SALE ONLY.

#### SOIL SURVEYS

**Avery County, North Carolina.** E. F. Goldston, Glenn H. Robinson and W. J. Leighty. Soil Conservation Service in cooperation with the North Carolina Agricultural Experiment Station and the Tennessee Valley Authority. 118 p., illus. Series 1946, No. 1. Price \$3.00.

**Cass County, Indiana.** L. R. Smith, W. J. Leighty, D. R. Kunkel, and A. T. Wiancko. Soil Conservation Service in cooperation with the Purdue University Agricultural Experiment Station. 129 p., illus. Series 1939, No. 24. Price \$1.75.

**McLeod County, Minnesota.** P. R. McMiller and others. Soil Conservation Service in cooperation with the University of Minnesota Agricultural Experiment Station. 43 p., illus. Series 1940, No. 17. Price \$1.50.

**Newton County, Indiana.** O. C. Rogers and others. Soil Conservation Service in cooperation with the Purdue University Agricultural Experiment Station. 144 p., illus. Series 1941, No. 14. Price \$1.75.

**Sulphur Spring Valley Area, Arizona.** E. N. Poulsen, A. T. Sweet, and J. W. Bailey. Soil Conservation Service in cooperation with the University of Arizona Agricultural Experiment Station. 79 p., illus. Series 1940, No. 14. Price \$1.75.

#### TECHNICAL BULLETINS

**Studies of airplane spray-deposit patterns at low flight levels.** Joseph C. Chamberlin, Charles W. Getzendaner, Harold H. Hessig, and V. D. Young. Agricultural Research Service. 45 p., illus. (T 1110.) Price 25¢. FOR SALE ONLY.

The results of a study on the characteristics of deposit patterns from airplane spraying are presented.

**Evaluation of mammary-gland development in Holstein and Jersey calves as a measure of potential producing capacity.** W. W. Swett, J. H. Book, C. A. Matthews, and M. H. Fohrman. Agricultural Research Service. 44 p., illus. (T 1111.) Price 25¢. FOR SALE ONLY.

The purpose of this bulletin is to describe in detail the pattern of mammary-gland development in the calf and the various techniques followed in evaluating it.

**Seed coat fragments in cotton—an element of yarn quality.** Norma L. Pearson. Agricultural Research Service. 17 p., illus. (T 1116.) Price 15¢. FOR SALE ONLY.

Seedcoat fragments as they occur in yarn are similar in size to nep's and present some of the same quality problems plus a few additional ones. This bulletin presents a classification and description of these seedcoat fragments in cotton.

#### OTHER PUBLICATIONS

**Livestock market news statistics and related data, 1954.** Agricultural Marketing Service. 62 p. (SB 162.) Price 40¢. **FOR SALE ONLY.**

**The mountain pine beetle.** George R. Struble and Philip C. Johnson. Forest Service. [4] p., illus. (FP 2.) Price 5¢.

**Publications on fur farming, rabbits, and laboratory animals.** Agricultural Research Service. Folder, revised. (Lt. 9.)

**Report of the Secretary of Agriculture, 1954.** Ezra Taft Benson. 44 p., illus. Price 20¢. **FOR SALE ONLY.**

#### PERIODICALS

**Agricultural research.** Vol. 3, No. 12, June 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. **FOR SALE ONLY.**

**The agricultural situation.** Vol. 39, No. 6, June 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year foreign. **FOR SALE ONLY.**

**Agriculture decisions.** Vol. 13, No. 12, December 1954 (index issue); Vol. 14, No. 4, April 1955. Price of single copy varies depending on size. \$3.00 a year, domestic; \$4.00 a year, foreign. **FOR SALE ONLY.**

**Bibliography of agriculture.** Vol. 19, No. 6, June 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. **FOR SALE ONLY.**

**Extension service review.** Vol. 26, No. 6, June 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Foreign agriculture.** Vol. XIX, No. 6, June 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**  
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**Marketing activities.** Vol. 18, No. 6, June 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**News for farmer cooperatives.** Vol. 22, No. 3, June 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Rural lines.** Vol. 2, No. 1, June 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XX, No. 11, June 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. **FOR SALE ONLY.**

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**GRASSHOPPERS CAN BE CONTROLLED.** 16-mm., sound, in color. Running time 21½ minutes. Released 1955.

This film demonstrates HOW grasshoppers can be controlled, through individual and community action in spraying infested areas, to minimize the damage caused by this insect—one of the farmer's most dangerous enemies. Ravenous and indiscriminate eaters, they attack such crops as corn, cotton, wheat, small grains, grasses, truck crops, and leaves and bark of both fruit and shade trees, not only in the so-called "grasshopper states," but throughout the United States. The film explains conditions that are good and bad for egg laying and multiplying and shows how serious outbreaks may develop. (Revision of YOUR ENEMY—GRASSHOPPER.) TV use permitted. (Not in films libraries; available for loan from Grasshopper Control Project Headquarters, Agricultural Research Service, U. S. Department of Agriculture, Box 1056, Denver 1, Colorado.)

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### BULLETIN OF THE MONTH

#### Insects and Diseases of Vegetables in the Home Garden Home and Garden Bulletin 46

This bulletin has been prepared especially for the home gardener. It tells how to recognize the more common insects and diseases that attack vegetable crops and what to do to prevent damage.

### FARMERS' BULLETINS

**Home storage of vegetables and fruits.** Agricultural Research Service. 18 p., illus. (F 1939, rev.) Price 10¢.

Recommendations for storing vegetables and fruits in their natural condition using home facilities are given.

### LEAFLETS

**Wood ticks: How to control them in infested places.** Agricultural Research Service. Folder, illus. (L 387.) Price 5¢.

The common species of ticks are described with methods of control.

**Horn flies on cattle . . . how to control them.** Agricultural Research Service. 6 p., illus. Supersedes L 270 and L 291. (L 388.) Price 5¢.

Information on the control of this pest is given.

**Facts about wind erosion and dust storms on the Great Plains.** Soil Conservation Service. 8 p., illus. (L 394.) Price 10¢.

How wind erosion starts and spreads and what we can do about it is presented.

### AGRICULTURE HANDBOOKS

**Wood handbook.** Forest Service. 528 p., illus. Supersedes Unnumbered Publication Wood Handbook. (AH 72.) Price \$2.00. **FOR SALE ONLY.**

As an aid to better and more efficient use of wood as a material of construction, this handbook was prepared by the Forest Products Laboratory. The vast accumulation of information that has resulted from its engineering and allied investigations of wood and wood products during the past 40 years is the chief basis for this handbook.

**Charting the seasonal market for meat animals.** Harold F. Breimeyer and Charlotte A. Kause. Agricultural Marketing Service. 46 p., illus. (AH 83.) Price 30¢. **FOR SALE ONLY.**

This handbook describes the most common seasonal patterns in production, marketing, and prices for both meat animals and meat.

**Graphic analysis in economic research.** Frederick V. Waugh. Agricultural Marketing Service. 63 p., illus. (AH 84.) Price 40¢. **FOR SALE ONLY.**

The purpose of this handbook is to review some of the graphic tools that can be useful in economic research.

\* Compiled by Eleanor W. Clay, Office of Information.

**PUBLICATIONS FOR SALE ONLY, SEE HOW TO ORDER ABOVE.**

**Vegetables for commercial processing: Usual planting and harvesting dates and principal producing counties.** Agricultural Marketing Service. 51 p., illus. (AH 85.) Price 35¢. **FOR SALE ONLY.**

This bulletin contains information by States, and by areas within States, on the usual planting and harvesting dates and the principal producing counties for the 11 principal vegetables for commercial processing.

**Film strips of the U. S. Department of Agriculture. Office of Information.** 29 p. Supersedes AH 17. (AH 87.) Price 20¢.

This catalog brings you a list of department film strips on many phases of agriculture and home economics. Prices and instructions for ordering are included.

#### CIRCULARS

**Investigations of the pink bollworm and hemipterous cotton insects in the El Paso area of Texas, 1944-52.** L. W. Noble. Agricultural Research Service. 16 p. (C 957.) Price 10¢. **FOR SALE ONLY.**

Results of investigations on pink bollworm and other cotton insect infestations in this area are described.

#### HOME AND GARDEN BULLETINS

**Insects and diseases of vegetables in the home garden.** L. B. Reed and S. P. Doolittle. Agricultural Research Service. 64 p., illus. Supersedes G 23. (G 46.) Price 25¢. See page 1.

#### MARKETING RESEARCH REPORTS

**Opinions and practices of manufacturers regarding fibers used in insulated wire and cable.** Agricultural Marketing Service. 30 p., illus. (MRR 85.) Price 20¢. **FOR SALE ONLY.**

**Wool grease: The economics of recovery and utilization in the United States.** Robert S. Raymond and Stuart L. Mandell. Agricultural Marketing Service. 164 p., illus. (MRR 89.) Price \$1.00. **FOR SALE ONLY.**

**Methods of increasing productivity in modern grocery warehouses.** John C. Bouma. Agricultural Marketing Service. 30 p., illus. (MRR 94.) Price 25¢. **FOR SALE ONLY.**

**Commercial ornamental horticulture: Size of establishment and crop specialization of growers.** M. Truman Fossum. Agricultural Marketing Service. 88 p., illus. (MRR 96.) Price 50¢. **FOR SALE ONLY.**

**Commercial floriculture: Size of establishment and crop specialization of growers.** M. Truman Fossum. Agricultural Marketing Service. 75 p., illus. (MRR 97.) Price 45¢. **FOR SALE ONLY.**

**Regulations affecting the movement and merchandising of milk.** Agricultural Marketing Service. 124 p., illus. (MRR 98.) Price 40¢. **FOR SALE ONLY.**

#### SOIL SURVEYS

**Waldo County, Maine.** K. V. Goodman, Snyder von Day, D. B. Lovejoy, and J. R. Arno. Soil Conservation Service in cooperation with the University of Maine Agricultural Experiment Station. 125 p., illus. Series 1940, No. 16. Price \$3.75. **FOR SALE ONLY.**

**Pierce County, Washington.** W. W. Anderson, A. O. Ness, and A. C. Anderson. Soil Conservation Service in cooperation with the Washington Agricultural Experiment Station and the Washington State Planning Council. 88 p., illus. Series 1939, No. 27. Price \$2.25. **FOR SALE ONLY.**

#### STATISTICAL BULLETINS

**Labor used for livestock.** Reuben W. Hecht. Agricultural Research Service. 22 p., illus. (SB 161.) Price 15¢. **FOR SALE ONLY.**

**Sweetpotato prices, 1909-53.** Agricultural Marketing Service. 32 p. (SB 163.) Price 20¢. **FOR SALE ONLY.**

**Cotton and cottonseed—acreage, yield, production, disposition, price, and value, by states, 1866-1952.** Agricultural Marketing Service. 64 p., illus. (SB 164.) Price 40¢. **FOR SALE ONLY.**

#### TECHNICAL BULLETINS

**Wheat storage research at Hutchinson, Kans., and Jamestown, N. Dak.** J. L. Schmidt. Agricultural Research Service. 98 p., illus. (T 1113.) Price 45¢. **FOR SALE ONLY.**

The results of engineering research to improve management practices in the preservation of wheat in storage are given.

**Grazing and grass-silage feeding studies at the Northern Great Plains Dairy Station.** R. F. Gaalaas and George A. Rogler. Agricultural Research Service. 30 p., illus. (T 1115.) Price 15¢. **FOR SALE ONLY.**

The results of grazing studies with milking Holstein-Friesian cows are reported.

#### OTHER PUBLICATIONS

**Alfalfa weevil.** Agricultural Research Service. 1 p., illus. (PS 28.) Price 5¢.

**Commodity exchange act as amended. Rules and regulations of the Secretary of Agriculture promulgated thereunder.** Commodity Exchange Authority. 89 p.

**Pink bollworm.** Agricultural Research Service. 1 p., illus. (PS 21, rev.) Price 5¢.

**Pricing milk according to use.** Stanley F. Krause. Farmer Cooperative Service. 49 p., illus. (FCS Bul. 6.) Price 25¢. **FOR SALE ONLY.**

**Report on the agricultural experiment stations, 1954.** R. W. Trullinger. Agricultural Research Service. 98 p. Price 50¢. **FOR SALE ONLY.**

**The western pine beetle.** F. P. Keen. Forest Service. 4 p., illus. (FP 1.) Price 5¢.

#### PERIODICALS

**Agricultural economics research.** Vol. VII, No. 3, July 1955. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign. **FOR SALE ONLY.**

**Agricultural research.** Vol. 4, No. 1, July 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. **FOR SALE ONLY.**

**Agriculture decisions.** Vol. 14, No. 5, May 1955. Price of single copy varies depending on size. \$3.00 a year, domestic; \$4.00 a year, foreign. **FOR SALE ONLY.**

**Extension service review.** Vol. 26, No. 7, July 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Fire control notes.** Vol. 16, No. 3, July 1955. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign. **FOR SALE ONLY.**

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**News for farmer cooperatives.** Vol. 22, No. 4, July 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XX, No. 12, July 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. **FOR SALE ONLY.**

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**THE SMALL SAWMILL.** 16 mm., sound, in color. Running time, 20 minutes. Released 1954.

This film is designed to stimulate the interest of owners and operators of small sawmills in more efficient production, better quality of lumber, and more complete utilization of sawtimber and sawlogs. Shows the transformation of a small, dilapidated, unproductive sawmill into an efficient and productive operation. Filmed in the Eastern United States. (Not in film libraries; available for loan from regional offices of the Forest Service at Denver, Colo.; Missoula, Mont.; Albuquerque, N. Mex.; Ogden, Utah; Portland, Ore.; San Francisco, Calif.; Milwaukee, Wisc.; Atlanta, Ga.; and Upper Darby, Pa.; and for purchase from United World Films, Inc., 1445 Park Ave., New York 29, N. Y., for \$95.04.) TV use permitted.

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### BULLETIN OF THE MONTH

#### The House Fly — How to Control it Leaflet 390

The house fly is a danger to the health of man and animals principally because it carries and spreads disease germs that may be in the materials it breeds in, feeds on, or walks on. This publication tells how to control the house fly around the home and on the farm.

### FARMERS' BULLETINS

#### Marketing farm poultry. Agricultural Marketing Service. 56 p., illus (F 2030, rev.) Price 20¢.

The purpose of this revised bulletin is to present the principal considerations, practices, and facilities involved and utilized in the marketing of poultry primarily as an aid to producers.

#### Mormon crickets: How to control them. F. T. Cowan and Claude Wakeland. Agricultural Research Service. 13 p., illus. Supersedes F 1928. (F 2081.) Price 10¢.

It is important that ranchers, growers, and others interested in the Mormon cricket problem, know the insect and its habits and understand the latest recommendations for its control. This information is given in this new bulletin.

#### Sphagnum moss for plant propagation. J. L. Creech, R. F. Dowdle, and W. O. Hawley. Agricultural Research Service. 10 p., illus. Supersedes L 243. (F 2085.) Price 10¢.

This bulletin describes in detail the use of sphagnum moss to germinate seeds, to root cuttings, and to root older branches by air-layering.

### LEAFLETS

#### U. S. grades for beef. Agricultural Marketing Service. [6] p., illus. (L 310, rev.) Price 5¢.

The purpose of this revised leaflet is to give consumers and others a brief explanation of United States grades for beef and to show how the selection of meat can be made easier for the consumer-buyer.

#### Cantaloup insects in the Southwest: How to control them. O. A. Hills and E. A. Taylor. Agricultural Research Service. 8 p., illus. (L 389.) Price 5¢.

Methods for controlling insects attacking cantaloups in the Southwest are given.

#### The house fly—how to control it. Agricultural Research Service. Folder, illus. Supersedes L 182. (L 390.) Price 5¢. See above.

#### Fleas: How to control them. Agricultural Research Service. Folder, illus. Supersedes L 152. (L 392.) Price 5¢.

This bulletin gives methods for controlling fleas on animals and inside and outside the home by applying the proper insecticides.

### AGRICULTURAL HANDBOOKS

#### The Agricultural Research Center of the United States Department of Agriculture. Agricultural Research Service. 52 p., illus. (AH 43, rev.) Price 25¢.

This revised bulletin is intended as a guide for visitors to the Research Center of the Department. Brief descriptions of the work done at the center are given.

\* Compiled by Eleanor W. Clay, Office of Information.

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### AGRICULTURE INFORMATION BULLETINS

**Farm costs and returns, 1954 (with comparisons): Commercial family operated farms, by type, and location.** Wylie D. Goodsell, W. Herbert Brown, Herbert C. Fowler, Erling Hole, Edgar B. Hurd, James Vermeer, and Isabel Jenkins. Agricultural Research Service. [45] p., illus. (AB 139.) Price 35¢.

This bulletin presents summary results of farm operations in 1954 for 21 important types of commercial family-operated farms in major producing areas in the United States.

**Agricultural land resources in the United States with special reference to present and potential cropland and pasture.** Hugh H. Wooten and James R. Anderson. Agricultural Research Service. 107 p., illus. (AB 140.) Price 55¢. **FOR SALE ONLY.**

This report presents an analysis of our land resources, together with statistics on land used for crops and pastures and additional areas available for such use.

#### CIRCULARS

**Cultural practices for sorghums and miscellaneous field crops at the Southern Great Plains Field Station, Woodward, Okla.** L. F. Locke and O. R. Mathews. Agricultural Research Service. 63 p., illus. (C 959.) Price 35¢.

This circular presents the results of tillage and rotation experiments with sorghums and other field crops undertaken to determine the best tillage methods and cultural and fertility practices for these crops.

**Beet leafhopper control in weed-host areas of Idaho to protect snapbean seed from curly top.** J. R. Douglass, Van E. Romney, and E. W. Jones. Agricultural Research Service. 13 p., illus. (C 960.) Price 10¢.

Results of studies are presented on destroying this insect in its breeding area before it moves into the beanfields.

**The coloring or degreening of mature citrus fruits with ethylene.** J. R. Winston. Agricultural Marketing Service. 13 p., illus. (C 961.) Price 10¢. **FOR SALE ONLY.**

Methods, equipment and materials needed for coloring citrus fruits with ethylene to make them marketable are given.

**Relative merits of four methods of harvesting and preserving alfalfa forage for dairy feed.** J. B. Shepherd, H. G. Wiseman, R. E. Ely, C. G. Melin, W. J. Sweetman, C. H. Gordon, L. G. Schoenleber, R. E. Wagner, L. E. Campbell, G. D. Roane, and W. H. Hosterman. Agricultural Research Service and Agricultural Marketing Service. 16 p., illus. (C 963.) Price 10¢.

Results of experiments on the merits of feeding dairy cattle with harvested forage such as field-cured hay, barn-dried hay, wilted silage or dehydrated hay are given.

#### HOME AND GARDEN BULLETINS

**Washing machines: Selection and use.** Enid Sater Ross, Katherine Taube, and Dorothy S. Greene. Agricultural Research Service. 22 p., illus. Supersedes IS 73. (G 32.) Price 15¢.

This bulletin is planned to help you to be an observant shopper when looking for a washer.

#### MARKETING RESEARCH REPORTS

**Space allocation for grocery items in food stores.** V. L. Browner and Hans Pauli. Agricultural Marketing Service. 22 p., illus. (MRR 80.) Price 20¢.

**Methods, equipment, and facilities for receiving, ripening, and packing bananas.** B. G. Andrews and Stanley W. Burt. Agricultural Marketing Service. 127 p., illus. (MRR 92.) Price 65¢. **FOR SALE ONLY.**

#### SOIL SURVEYS

**Knox County, Tennessee.** Wallace Roberts, B. C. Nichols, J. N. Odom, M. H. Gallatin, L. E. Odom, and T. E. Beesley. Soil Conservation Service in cooperation with the Tennessee Agricultural Experiment Station and the Tennessee Valley Authority. 241 p., illus. Series 1942, No. 10. Price \$2.75.

#### TECHNICAL BULLETINS

**A comparison of certain combinations of oat varieties as crown rust differentials.** M. D. Simons and H. C. Murphy. Agricultural Research Service. 22 p. (T 1112.) Price 15¢. **FOR SALE ONLY.**

This bulletin deals with investigations made at Ames, Iowa, in which three different sets of oat varieties were tested as crown rust differentials.

**Injury to Northwestern forest trees by sulfur dioxide from smelters.** Theodore C. Scheffer and George G. Hedgecock. Forest Service. 49 p., illus. (T 1117.) Price 25¢. **FOR SALE ONLY.**

Sulphur dioxide discharged from smelters has been the major cause of gas injury to forest trees. This report presents previously unpublished investigations on smelter injury to trees in Washington and Montana.

**Price risks for cotton and cotton products and means of reducing them.** L. D. Howell. Agricultural Marketing Service. 110 p., illus. (T 1119.) Price 35¢. **FOR SALE ONLY.**

The main purpose of this bulletin is to show the nature and extent of the risks from price changes and to indicate means of improving the marketing of cotton and cotton products by reducing or offsetting these risks.

**Some changes in Eastern apples during storage.** R. C. Wright and T. M. Whiteman. Agricultural Marketing Service. 54 p., illus. (T 1120.) Price 20¢. **FOR SALE ONLY.**

Studies of chemical and physical changes in apples and changes in eating quality during storage are presented.

**Effects of certain insecticides in soil on crop plants.** Victor R. Boswell, W. J. Clore, Bailey B. Pepper, Clifford B. Taylor, Paul M. Gilmer, and Robert L. Carter. Agricultural Research Service. 59 p., illus. (T 1121.) Price 30¢. **FOR SALE ONLY.**

The results of studies conducted from 1950 to 1953 to determine the effects of DDT, BHC, chlordane, and other insecticides in soil on crops are presented.

#### OTHER PUBLICATIONS

**Agricultural statistics, 1954.** Agricultural Marketing Service. 607 p. Price \$2.00 (paper cover.) **FOR SALE ONLY.**

**California five-spined engraver beetle.** G. R. Struble. Forest Service. [4] p., illus. (FP 4.) Price 5¢.

**Douglas-fir beetle.** James C. Evenden and Kenneth H. Wright. Forest Service. 4 p., illus. (FP 5.) Price 5¢.

**The Saratoga spittlebug.** Charles B. Eaton. Forest Service. 4 p., illus. (FP 3.) Price 5¢.

**Unemployment and partial employment of hired farm workers in cotton areas: Comparison of selected areas in Arkansas, Georgia, Louisiana, and New Mexico, and detailed analysis of Cordele, Georgia, area.** William H. Metzler. Agricultural Research Service. 40 p., illus.

#### PERIODICALS

**Agricultural research.** Vol. 4, No. 2, August 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. **FOR SALE ONLY.**

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**The agricultural situation.** Vol. 39, No. 8, August 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. **FOR SALE ONLY.**

**Bibliography of agriculture.** Vol. 19, No. 8, August 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. **FOR SALE ONLY.**

**Crops and markets.** Issued annually. Vol 32, 1955 edition. No subscription. 70¢ a copy. **FOR SALE ONLY.**

**Extension service review.** Vol. 26, No. 8, August 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

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**News for farmer cooperatives.** Vol. 22, No. 5, August 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XXI, No. 1, August 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year foreign. **FOR SALE ONLY.**

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#### MOTION PICTURES

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**TRIPLE THREAT OF BRUCELLOSIS.** 16 mm., sound, in color; also black and white. Running time 27 minutes. Released 1951.

This tells the story of brucellosis, a disease which takes from the farmer and stockman huge revenues in lost meat and milk. Brucellosis each year infects over 1,000,000 dairy cows causing abortion and sterility. A similar number of beef cattle, swine, and goats are infected. Brucellosis attacks humans in acute and chronic forms. They are susceptible through contact with infected animals or the meat of such animals, or through drinking the raw milk of an infected cow or goat. The film shows the nature of the disease as it attacks animals and humans and recommends four methods for control and eradication of brucellosis. It contains important historical data on the discoverers of brucellosis and the development of vaccines. (Available for loan from Extension Service and State College film libraries. Available for purchase from United World Films, Inc., 1445 Park Avenue, New York 29, N. Y., for \$140.24.) TV use permitted.

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### FARMERS BULLETINS

**Squab raising.** Agricultural Research Service. 22 p., illus. (F 684, rev.) Price 15¢.

Good management practices for commercial production of squabs are described in this recently revised bulletin.

**Stored-grain pests.** Agricultural Marketing Service. 46 p., illus. (F 1260, rev.) Price 25¢.

In this revised bulletin are discussed live weevils and other insects injurious to stored grain. Methods of preventing infestation of grain are discussed briefly.

**Dry bean production in the eastern States.** Axel L. Andersen. Agricultural Research Service. 29 p., illus. Supersedes L 223. (F 2083.) Price 15¢.

Dry beans are an important item in the diet of the American people. Requirements for successful production are given.

### AGRICULTURAL HANDBOOKS

**Sheep shelters and equipment for southern States.** Agricultural Research Service and the Federal Extension Service. 16 p., illus. (AH 90.) Price 15¢.

The plans illustrated in this publication incorporate the latest research findings and the best available information on the arrangement and construction of buildings and equipment for sheep production. Instructions for ordering working drawings are included.

### AGRICULTURE INFORMATION BULLETINS

**Cost of electricity and liquified petroleum gas for cooking, refrigeration, and water heating.** Earl C. McCracken and Elizabeth Beveridge. Agricultural Research Service. 14 p., illus. (AB 141.) Price 10¢.

This publication—intended mainly for use by extension and home service leaders, teachers, suppliers of electric service, dealers in LP-gas, and others who work with consumers—discusses chiefly the fuel cost of operating ranges, refrigerators, and water heaters with electricity and LP-gas.

### CIRCULARS

**General procedure for manufacturing Swiss cheese.** George P. Sanders, Homer E. Walter, and Ralph P. Tittsler. Agricultural Research Service. 20 p., illus. (C 851, rev.) Price 15¢.

For those who have only limited experience in manufacturing Swiss cheese and for those who want general information on the subject this bulletin has been revised.

**Rate of deterioration of fire-killed timber in California.** James W. Kimmey. Forest Service. 22 p., illus. (C 962.) Price 15¢.

This circular is concerned with losses in merchantable timber from forest fires in California.

**The California five-spined engraver: Its biology and control.** George R. Struble and Ralph C. Hall. Forest Service. 21 p., illus. (C 964.) Price 15¢.

This is a report of studies made on the causes and characteristics of outbreaks of this pine insect. Practices are recommended to minimize damage from these attacks.

\* Compiled by Eleanor W. Clay, Office of Information.

### MARKETING RESEARCH REPORTS

**Costs of storing reserve stocks of corn in country elevators, at bin sites, and on farms.** William C. Dachtler, Eileen M. McDonald, Richard Phillips, and David N. Harrington. Agricultural Marketing Service. 60 p., illus. (MRR 93.) Price 40¢. **FOR SALE ONLY.**

**Grain marketing facilities in the coastal plains area of North Carolina.** Perry S. Richey, Thew D. Johnson, J. B. Cotner, and O. M. Faison. Agricultural Marketing Service. 39 p., illus. (MRR 100.) Price 25¢.

**Costs of marketing Carolina peaches in 1954.** C. W. Peters. Agricultural Marketing Service. 22 p., illus. (MRR 103.) Price 15¢.

**The commercial potato peeling industry (A survey).** William N. Garrott. Agricultural Marketing Service. 13 p., illus. (MRR 105.) Price 10¢.

### SERVICE AND REGULATORY ANNOUNCEMENTS

**Service and regulatory announcements.** January-December 1954. Plant Pest Control Branch and Plant Quarantine Branch, Agricultural Research Service. 95 p. (SRA-PPC & PQ 183.)

### OTHER PUBLICATIONS

**Competitive position of the Yugoslav dried-prune industry.** Stanley Mehr. Foreign Agricultural Service. 19 p. (FAR 86.)

**Feeder calf sales in the Southeastern States.** C. G. Randell and Anna E. Wheeler. Former Cooperative Service. 44 p., illus. (FCS C 9.) Price 20¢.

**Fresh fruit and vegetable prices—1954.** Lillian V. Walsh. Agricultural Marketing Service. 45 p. (SB 166.) Price 30¢. **FOR SALE ONLY.**

**New country elevators: Influence of size and volume on operating costs.** Thomas E. Hall. Farmer Cooperative Service. 29 p., illus. (FCS C 10.) Price 15¢.

**The pattern of world milk production.** Terrence W. McCabe. Foreign Agricultural Service. 31 p., illus. (FAR 83.) Price 15¢. **FOR SALE ONLY.**

**Tennessee's timber economy.** Herbert S. Sternitzke. Forest Service. 56 p., illus. (FR 9.) Price 55¢. **FOR SALE ONLY.**

**Using gin machinery more effectively.** Otis T. Weaver and Daniel H. McVey. Farmer Cooperative Service. 26 p., illus. (FCS B 7.) Price 15¢.

**Using your farm supply co-op.** J. Warren Mather and Martin A. Abrahamsen. Farmer Cooperative Service. [16] p., illus. (FCS Ed. C 6.) Price 15¢.

**Using your fruit and vegetable co-op.** Wilbur F. Buck. Farmer Cooperative Service. 15 p., illus. (FCS Ed. C 7.) Price 15¢.

### PERIODICALS

**Agricultural research.** Vol. 4, No. 3, September 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. **FOR SALE ONLY.**

**Agricultural situation.** Vol. 39, No. 9, September 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. **FOR SALE ONLY.**

**Agriculture decisions.** Vol. 14, No. 6, June 1955; Vol. 14, No. 7, July 1955. Price of single copy varies depending on size. \$3.00 a year, domestic; \$4.00 a year, foreign. **FOR SALE ONLY.**

**Bibliography of agriculture.** Vol. 19, No. 9, September 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. **FOR SALE ONLY.**

**Extension service review.** Vol. 26, No. 9, September 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

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**Foreign agriculture.** Vol. XIX, No. 9, September 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Marketing activities.** Vol 18, No. 9, September 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**News for farmer cooperatives.** Vol. 22, No. 6, September 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**  
Index, News for Farmer Cooperatives, Vol. 21, April 1954-March 1955.

**Rural lines.** Vol. 2, No. 4, September 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XXI, No. 2, September 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. **FOR SALE ONLY.**

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## MOTION PICTURES

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### **GRASSHOPPERS CAN BE CONTROLLED.** 16 mm., sound, in color. Running time 21½ minutes. Released 1955.

This film demonstrates HOW grasshoppers can be controlled, through individual and community action in spraying infested areas, to minimize the damage caused by this insect—one of the farmer's most dangerous enemies. Ravenous and indiscriminate eaters, they attack such crops as corn, cotton, wheat, small grains, grasses, truck crops, and leaves and bark of both fruit and shade trees, not only in the so-called "grasshopper states," but throughout the United States. The film explains conditions that are good and bad for egg laying and multiplying and shows how serious outbreaks may develop. (Revision of YOUR ENEMY—GRASSHOPPER.) TV use permitted. (Available for loan from State College film libraries in grasshopper-infested states in the West and for purchase from United World Films, Inc., 1445 Park Avenue, New York 29, N. Y., \$101.56.)

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### BULLETIN OF THE MONTH

#### A Fruit and Vegetable Buying Guide for Consumers. Home and Garden Bulletin 21.

Hints to aid the shopper in learning to judge the real value of fruits and vegetables are given in this revised bulletin.

### FARMERS' BULLETINS

**Anthrax.** C. D. Stein. Agricultural Research Service. 14 p., illus. (F 1736, rev.)  
Price 15¢.

Anthrax is an acute infectious disease of livestock and man. Cause, symptoms and control measures are given.

**Infectious anemia (swamp fever) of horses, mules, and donkeys.** C. D. Stein.  
Agricultural Research Service. 10 p., illus. Supersedes F 1819. (F 2088.)  
Price 10¢.

Diagnosis and control of this economic important disease are given in this new bulletin.

**Barley diseases and their control.** R. W. Leukel and V. F. Tapke. Agricultural Research Service. 28 p., illus. (F 2089.) Price 15¢.

The principal barley diseases are described herein, and methods are suggested for their prevention and control.

**Bacterial wilt and Stewarts leaf blight of corn.** Alice L. Robert. Agricultural Research Service. 13 p., illus. Supersedes F 1878. (F 2092.) Price 10¢.

The cause, symptoms and control of these diseases are given.

### LEAFLETS

**The southern corn rootworm: How to control it.** Agricultural Research Service. [8] p., illus. Supersedes F 950. (L 391.) Price 5¢.

The southern corn rootworm can ruin a stand of young corn or severely damage an older stand. Control measures are given.

**Protecting trees and shrubs from rabbit damage.** A. C. Hildreth and G. B. Brown. Agricultural Research Service. Folder, illus. (L 396.) Price 5¢.

Recommended repellents for protecting trees and shrubs from damage caused by rabbits are given in this folder.

### AGRICULTURAL HANDBOOKS

**Volume tables for Pacific Northwest trees.** (A compilation.) F. A. Johnson. Forest Service. (AH 92.) Price 35¢. FOR SALE ONLY.

This publication was prepared as a forestry tool in ascertaining yields of lumber in relation to heights of trees in the Pacific Northwest.

\* Compiled by Eleanor W. Clay, Office of Information.

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### AGRICULTURE INFORMATION BULLETINS

**Guide to agriculture.** U. S. A. Arthur F. Raper, Martha J. Raper, and Catherine Senf. United States Department of Agriculture. 82 p., illus. (AB 30, rev.) Price 60¢. **FOR SALE ONLY.**

The purpose of this guide is to introduce the reader to agriculture in the United States. Here will be found the general facts about the land and how it is used, the major crops and where they are grown, and the principal livestock products.

**The balance sheet of agriculture, 1955.** F. L. Garlock, L. A. Jones, R. W. Bierman, M. M. Taylor, and W. H. Scofield. Agricultural Research Service. 30 p., illus. (AB 145.) Price 15¢. **FOR SALE ONLY.**

This is the eleventh in a series of annual reports that carry forward the comparative balance sheet of agriculture first prepared for 1940. Each balance sheet is as of January 1 of the year it is issued.

#### CIRCULARS

**Migratory farm workers in the Atlantic Coast stream. A study in the Belle Glade area of Florida.** William H. Metzler. Agricultural Research Service. 79 p., illus. (C 966.) Price 30¢. **FOR SALE ONLY.**

This field study was made to study the employment and systematized movement of workers from harvest to harvest along the Atlantic coast.

#### HOME AND GARDEN BULLETINS

**A fruit and vegetable buying guide for consumers.** Agricultural Marketing Service. 46 p. (G 21, rev.) Price 20¢. See page 1.

#### MARKETING RESEARCH REPORTS

**Improved handling of frozen foods in retail stores.** Dale L. Anderson and Paul F. Shaffer. Agricultural Marketing Service. 24 p., illus. (MRR 104.) Price 20¢. **FOR SALE ONLY.**

#### MISCELLANEOUS PUBLICATIONS

**Careers in forestry.** Forest Service. 22 p., illus. (M 249, rev.) Price 15¢.

This revised publication deals primarily with careers in technical forestry, the practice of which calls for professional training.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Packers and stockyards act, 1921, as amended.** Agricultural Marketing Service. 48 p. (SRA 164, rev.)

#### SOIL SURVEYS

**Montour and Northumberland Counties, Pennsylvania.** David Taylor, S. R. Bacon, and L. G. Yearick. Soil Conservation Service in cooperation with the Pennsylvania State University, College of Agriculture, and Experiment Station. 152 p., illus. Series 1942, No. 11. Price \$3.75. **FOR SALE ONLY.**

#### TECHNICAL BULLETINS

**The biology and ecology of the red-headed pine sawfly.** Daniel M. Benjamin. Forest Service. 57 p., illus. (T 1118.) Price 20¢. **FOR SALE ONLY.**

The red-headed pine sawfly is one of the most important native forest insects defoliating young hard pines in the eastern half of the United States and Canada. The results of studies made on the life history and control of this insect are presented.

**Weight of thyroid in dairy cows from different geographical areas within the United States.** W. W. Swett, C. A. Matthews, and M. H. Fohrman. Agricultural Research Service. 33 p., illus. (T 1123.) Price 20¢. **FOR SALE ONLY.**

The object of this study was to determine the significance, if any, between body form in the cow and her producing ability and thereby to provide a more nearly scientific basis for the judging and selection of dairy cattle.

#### OTHER PUBLICATIONS

**Farm family record book.** Farmers Home Administration. [40] p., rev. Price 30¢. **FOR SALE ONLY.**

#### PERIODICALS

**Agricultural economics research.** Vol. VII, No. 4, October 1955. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign. **FOR SALE ONLY.**

**Agricultural research.** Vol. 4, No. 4, October 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. **FOR SALE ONLY.**

**Agricultural situation.** Vol. 39, No. 10, October 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. **FOR SALE ONLY.**

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**Extension service review.** Vol. 26, No. 10, October 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Fire control notes. Index,** April 1946-October 1955. Vol. 16, No. 4, October 1955. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign. **FOR SALE ONLY.**

**Foreign agriculture.** Vol. XIX, No. 10, October 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Marketing activities.** Vol. 18, No. 10, October 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**News for farmer cooperatives.** Vol. 22, No. 7, October 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Rural lines.** Vol. 2, No. 5, October 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

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**RINDERPEST.** 16 mm., sound, in color. Running time, 18 minutes. Released 1955.

A technical picture, designed for veterinarian training, this film describes the history and shows geographical distribution of this disease of cattle, sheep, and goats. Shows the lesions and pathological changes of all organs and tissues affected. Provides excellent visual information to the veterinarian and student on this foreign disease and outlines measures used to prevent its introduction into this country. Produced in collaboration with the Federal Civil Defense Administration and the Department of Defense. (Available for loan from Extension Service and State College film libraries in chief livestock producing States.)

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### FARMERS' BULLETINS

**Milk goats.** C. G. Potts and V. L. Simmons. Agricultural Research Service. 38 p., illus. (F 920, rev.) Price 15¢.

This revised bulletin gives information on raising goats for milk production. Much interest in this industry has been manifested in this country for the past several years.

**Breeds of swine.** John H. Zeller. Agricultural Research Service. 14 p., illus. (F 1263, rev.) Price 10¢.

The purpose of this revised bulletin is to present the most important features of the principal breeds of swine in this country, and the relationship of purebreds to the commercial swine industry.

### LEAFLETS

**Cecal coccidiosis of chickens: How to control it.** Everett E. Wehr. Agricultural Research Service. Folder, illus. (L 393.) Price 10¢.

Cecal coccidiosis is a common and serious disease of chickens. Control and preventive measures are given in this folder.

**Automatic livestock waterers.** Landy B. Altman. Agricultural Research Service. 8 p., illus. (L 395.) Price 5¢.

Selection, installation, and operation are described herein.

### AGRICULTURE HANDBOOKS

**Egg grading manual.** W. E. Hauver, Jr. and John A. Hamann. Agricultural Marketing Service. 48 p., illus. (AH 75.) Price 35¢. FOR SALE ONLY.

This manual was prepared as an aid in teaching beginners as well as experienced egg graders the correct interpretation and application of the United States standards, grades, and weight classes for shell eggs.

**Rangeland improvement through seeding and weed control on east slope Sierra Nevada and on southern Cascade mountains.** Donald R. Cornelius and M. W. Talbot. Agricultural Research Service and Forest Service. 51 p., illus. (AH 88.) Price 25¢. FOR SALE ONLY.

This handbook summarizes results and experience indicating how seeding and weed control can be accomplished in this area.

### AGRICULTURE INFORMATION BULLETINS

**Electricity on farms in the Eastern Dairy Area of Wisconsin.** Joe F. Davis and Sydney D. Staniforth. Agricultural Research Service in cooperation with Wisconsin Agricultural Experiment Station. 31 p., illus. (AB 143.) Price 15¢. FOR SALE ONLY.

The study reported here is one of a series of related studies made in different type-of-farming areas. This study was made to analyze the experiences of farmers of the Eastern Dairy Area of Wisconsin in the use of electricity and electrical equipment.

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### CIRCULARS

**Use of film box liners to extend storage life of pears and apples.** Fisk Gerhardt. Agricultural Marketing Service. 28 p., illus. (C 965.) Price 25¢.

This publication presents information developed during the last five years on the packing of pears and apples in various kinds of sealed plastic films.

**Overwintering, spring emergence and host synchronization of two egg parasites of the beet leafhopper in southern Idaho.** Charles F. Henderson. Agricultural Research Service. 16 p., illus. (C 967.) Price 15¢. **FOR SALE ONLY.**

This circular reports studies on the time and duration of this emergence period, and its synchronization with oviposition of the overwintering brood of the beet leafhopper in the spring.

**Parasitization of the beet leafhopper in relation to its dissemination in southern Idaho.** Charles F. Henderson. Agricultural Research Service. 16 p., illus. (C 968.) Price 15¢. **FOR SALE ONLY.**

A report on studies made in southern Idaho from 1930 to 1937 to determine the effect of parasitization on the ability of the beet leafhopper to move long distances, and the effect of leafhopper movements on the dissemination and distribution of its parasites.

**Classification and use of irrigation waters.** L. V. Wilcox. Agricultural Research Service. 19 p., illus. (C 969.) Price 15¢. **FOR SALE ONLY.**

The purpose of this circular is to explain the analysis and classification of irrigation waters and the special problems involved in their use.

**Lymphomatosis in chickens.** Agricultural Research Service. 17 p., illus. (C 970.) Price 15¢.

The purpose of this circular is to summarize the results of research to date and to provide as much helpful information as possible on this baffling and destructive disease.

**The use of aromatic solvents for control of submersed aquatic weeds in irrigation channels.** V. F. Bruns, J. M. Hodgson, H. F. Arle, and F. L. Timmons. Agricultural Research Service. 33 p., illus. (C 971.) Price 20¢. **FOR SALE ONLY.**

The purpose of this publication is to consolidate and disseminate information on effectiveness of certain aromatic solvents as waterweed killers and the effect of concentrations of these materials on crop plants and animal life.

**An improved moting system for cotton gins.** Charles M. Merkel and Vernon P. Moore. Agricultural Research Service. 23 p., illus. (C 974.) Price 15¢. **FOR SALE ONLY.**

Work is reported in this new bulletin on improving the effectiveness of the various machines to obtain more cleaning without causing fiber damage.

### MARKETING RESEARCH REPORTS

**Possibilities for expanding the market for sugarcane bagasse.** George H. Goldsborough and Kenneth E. Anderson. Agricultural Marketing Service. 83 p., illus. (MRR 95.) Price 45¢. **FOR SALE ONLY.**

**Prospective demand for meat and livestock in the South.** Agricultural Marketing Service in cooperation with State Agricultural Experiment Stations of the southern region. 78 p., illus. (MRR 99.) Price 30¢. **FOR SALE ONLY.**

**The auction marketing of flue-cured tobacco. A preliminary appraisal.** Clarence I. Hendrickson. Agricultural Marketing Service. 54 p., illus. (MRR 101.) Price 35¢. **FOR SALE ONLY.**

**Merchandising winter pears in retail food stores.** Hugh M. Smith, Wendell E. Clement, and William S. Hoofnagle. Agricultural Marketing Service. 17 p., illus. (MRR 102.) Price 25¢. **FOR SALE ONLY.**

### TECHNICAL BULLETINS

**The acute toxicity of chlorinated hydrocarbon and organic phosphorus insecticides to livestock.** R. D. Radeleff, George T. Woodard, W. J. Nickerson, and R. C. Bushland. Agricultural Research Service. 46 p. (T 1122.) Price 20¢. **FOR SALE ONLY.**

The result of investigations on the toxicity of certain insecticides for the control of parasites feeding on animals is given here.

**Gypsy moth appraisal program and proposed plan to prevent spread of the moths.** C. C. Perry. Agricultural Research Service. 27 p., illus. (T 1124.) Price 15¢. **FOR SALE ONLY.**

This bulletin is an appraisal of the gypsy moth problem and also reports a plan for preventing the spread of the gypsy moth to uninfested areas and protecting presently infested areas.

**Reproduction and establishment of velvet mesquite as related to invasion of semidesert grasslands.** George E. Glendening and Harold A. Paulsen, Jr. Forest Service. 50 p., illus. (T 1127.) Price 25¢. **FOR SALE ONLY.**

As a partial solution to the broad problem of mesquite invasion, this paper presents information on the reproduction and establishment of velvet mesquite on former grassland sites.

**Seasonal changes in Arizona and California grapefruit.** G. L. Rygg and M. R. Getty. Agricultural Marketing Service. 44 p., illus. (T 1130.) Price 20¢. **FOR SALE ONLY.**

The work reported herein was undertaken to compare some of the methods of relating objective measurements to palatability as applied to Arizona and California grapefruit.

**Effects of agronomic factors on the rutin content of buckwheat.** Agricultural Research Service. 50 p., illus. (T 1132.) Price 25¢. **FOR SALE ONLY.**

The effects of age of plants, date of planting, rate of seeding, fertilizer, and manner of harvesting on the production of rutin and dry matter—are reported in this bulletin.

#### OTHER PUBLICATIONS

**Agricultural outlook charts, 1956.** Agricultural Marketing Service and Agricultural Research Service. 88 p., illus. Price 55¢. **FOR SALE ONLY.**

**Foreign agricultural situation: Trading in competitive markets (maps and charts.)** Foreign Agricultural Service. [77] p., illus. Price 45¢. **FOR SALE ONLY.**

**Olive industry in lower California, Mexico.** J. Henry Burke. Foreign Agricultural Service. 17 p., illus. (FAR 85.)

**Production of manufactured dairy products, 1954.** W. D. Bormuth, R. J. Wagner, and Jessie M. Cooley. Agricultural Marketing Service. [46] p. (SB 167.) Price 25¢. **FOR SALE ONLY.**

#### PERIODICALS

**Agricultural research.** Vol. 4, No. 5, November 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. **FOR SALE ONLY.**

**Agricultural situation.** Vol. 39, No. 11, November 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. **FOR SALE ONLY.**

**Agricultural decisions.** Vol. 14, No. 9, September 1955. Price of single copy varies depending on size. \$3.00 a year, domestic; \$4.00 a year, foreign. **FOR SALE ONLY.**

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FREE PUBLICATION OFFER IS LIMITED TO CORRESPONDENTS WITHIN THE UNITED STATES AND ON INTERNATIONAL EXCHANGE. FOREIGN CORRESPONDENTS SEE PURCHASE INSTRUCTIONS ON PAGE 1.

**Bibliography of agriculture.** Vol. 19, No. 11, November 1955. Single copies vary in price. \$8.00 a year, domestic; \$9.50 a year, foreign. **FOR SALE ONLY.**

**Extension service review.** Vol. 26, No. 11, November 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Foreign agriculture.** Vol. XIX, No. 11, November 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**News for farmer cooperatives,** Vol. 22, No. 8, November 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. **FOR SALE ONLY.**

**Rural lines.** Vol. 2, No. 6, November 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. **FOR SALE ONLY.**

**Soil conservation.** Vol. XXI, No. 4, November 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. **FOR SALE ONLY.**

#### MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent for educational purposes to groups and organizations or may be purchased outright. Prints of Department films may be obtained from 75 cooperating film libraries in the 48 States, the District of Columbia, and the Territories of Alaska, Hawaii, and Puerto Rico.

**BETTER SEEDS FOR BETTER GRASSLANDS.** 16 mm., sound, in color. Running time 31 minutes. Released 1955.

This is a story of the breeding and release of better legume and grass varieties for grassland improvement. It begins with the work of the plant breeders and the testing that precedes the release of an improved variety. Then it shows the long process of increasing seed supplies by successive stages from a small handful of breeder seed to the immense quantities of Certified seed needed for planting by farmers. The film describes the activities of the Foundation Seed Project and the extreme care that is taken all along the line from the breeder's laboratory to the farmer to make sure that seed of the new varieties is good seed—true to name and variety. It emphasizes the part that improved varieties, under proper management, can play in making our grasslands provide a better standard of living for our people now and in the future.

A film primarily for farmers, this picture is National in scope and should have something of interest for general audiences wherever grasses and clovers are important in agriculture. (Available for loan from State College film libraries in major grassland states and for purchase from United World Films, Inc., 1445 Park Avenue, New York 29, N. Y., \$145.62.)

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# United States Department of Agriculture

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## BULLETIN OF THE MONTH

Controlling the Japanese Beetle

Farmers' Bulletin 2004

Control of this destructive plant beetle and its grub in gardens is given in this revised bulletin.

## FARMERS' BULLETINS

**Hog lice and hog mange: Methods of control and eradication.** H. E. Kemper and H. O. Peterson. Agricultural Research Service. 21 p., illus. (F 1085, rev.) Price 15¢.

The nature and habits of these parasites, symptoms caused by each species, and methods of control and eradication are discussed in this revised bulletin.

**Controlling the Japanese beetle.** Walter E. Fleming. Agricultural Research Service. 13 p., illus. (F 2004, rev.) Price 15¢. See above.

**Growing pumpkins and squashes.** Ross C. Thompson, S. P. Doolittle, and D. J. Caffrey. Agricultural Research Service. 30 p., illus. Supersedes L 141. (F 2086.) Price 15¢.

Recommendations for the commercial production of pumpkins and squashes are given.

**Growing fruits and nuts in the southern Great Plains.** L. F. Locke. Agricultural Research Service. 28 p., illus. (F 2087.) Price 15¢.

The experiment stations in this area receive many requests every year for information about the kinds of fruits and nuts most likely to succeed. This bulletin was prepared to serve this need.

**Seeding summer ranges in eastern Oregon and Washington.** Robert S. Rummell and Clark E. Hoescher. Forest Service. 34 p., illus. (F 2091.) Price 15¢.

To find successful ways for seeding summer ranges, the Forest Service has tested approximately 150 forage species and strains on many experimental areas under numerous conditions and methods of planting. The results are the basis of recommendations reported in this bulletin.

**Managing farm fishponds for bass and bluegills.** Verne E. Davison. Soil Conservation Service. 18 p., illus. Supersedes F 1983. (F 2094.) Price 15¢.

This bulletin points out the importance of good sites and the necessity for erosion control, proper stocking, and weed control. It tells how to have good fishing by ample fertilization. It also explains the treatment of some common pond troubles.

## LEAFLETS

**Brooding chicks with infrared lamps.** John G. Taylor and J. M. Stanley. Agricultural Research Service. 4 p., illus. (L 397.) Price 5¢.

Poultry producers are turning more and more to the infrared lamp method of brooding chicks. Material, equipment, and methods for using these lamps are discussed.

\* Compiled by Eleanor W. Clay, Office of Information.

### AGRICULTURE HANDBOOKS

**Computational methods for handling systems of simultaneous equations with applications to agriculture.** Joan Friedman and Richard J. Foote. Agricultural Marketing Service. 109 p. (AH 94.) Price 55¢. FOR SALE ONLY.

One of the purposes of this handbook is to provide a standard method of approach for handling any equation problem that involves economic relationships pertaining to agriculture.

### AGRICULTURE INFORMATION BULLETINS

**Bread . . . facts for consumer education.** Irene H. Wolgamot and Lillian J. Fincher. Agricultural Research Service. 22 p., illus. (AB 142.) Price 15¢.

This bulletin provides source material for workers in extension, consumer education, and marketing services, and teachers, dietitians, nutritionists, food editors, and others who give consumers information on food.

### CIRCULARS

**Sewage sludge for soil improvement.** M. S. Anderson. Agricultural Research Service. 27 p., illus. (C 972.) Price 15¢. FOR SALE ONLY.

It is the purpose of this circular to discuss the possible agricultural utilization of sewage sludges, whereby solid residues may possibly be processed for sale to agricultural consumers.

**Foreign-matter trap for cotton gins.** Gerald N. Franks and A. Clyde Griffin, Jr. Agricultural Research Service. 12 p., illus. (C 973.) Price 10¢. FOR SALE ONLY.

Results are given of a survey on the use of this device to aid in eliminating the cause of a percentage of gin fires and reduce the amount of foreign matter in the ginning operation.

**Scutching machine for fiber flax.** Leonard M. Klein and Jesse E. Harmond. Agricultural Research Service. 16 p., illus. (C 975.) Price 15¢. FOR SALE ONLY.

This circular discusses the improved features of the scutcher newly developed at Corvallis, against a background of the development of flax scutching from its beginning.

**Progress report on the cooperative hevea rubber development program in Latin America.** R. D. Rands and Loren G. Polhamus. Agricultural Research Service. 79 p., illus. (C 976.) Price 35¢. FOR SALE ONLY.

This report covers significant results of the long-term cooperative rubber research and development project between the United States Department of Agriculture and tropical America.

### MARKETING RESEARCH REPORTS

**Some improved methods of handling frozen food in wholesale plants.** James A. Mixon and Theodore H. Allegri. Agricultural Marketing Service. 44 p., illus. (MRR 107.) Price 25¢. FOR SALE ONLY.

### SOIL SURVEYS

**Grand Junction Area, Colorado.** E. W. Knobel, R. K. Dansdill, and M. L. Richardson. Soil Conservation Service in cooperation with the Colorado Agricultural Experiment Station. 118 p., illus. Series 1940, No. 19. Price \$2.00. FOR SALE ONLY.

**Territory of Hawaii (Islands of Hawaii, Kauai, Lanai, Maui, Molokai, and Oahu).** M. G. Cline. Soil Conservation Service in cooperation with the Hawaii Agricultural Experiment Station. 644 p., illus. Series 1939, No. 25. Price \$6.25. FOR SALE ONLY.

### TECHNICAL BULLETINS

**A standardized diet for metabolic studies . . . its development and application.** Frieda L. Meyer, Myrtle L. Brown, Harriet J. Wright, and Milicent L. Hathaway. Agricultural Research Service. 81 p., illus. (T 1126.) Price 30¢. FOR SALE ONLY.

A standardized diet, developed to meet the needs for a uniform basal diet to be used in studying nutritional requirements, utilization of various nutrients, or interrelationships of nutrients, is presented.

**Productivity of resources used on commercial farms.** Edwin G. Strand, Earl O. Heady, and James A. Seagraves. Agricultural Research Service. 86 p., illus. (T 1128.) Price 30¢. FOR SALE ONLY.

The study reported here was intended to determine differences in levels of income and to provide information on productivity of resources in different segments of our agriculture.

**Components of variance method and partitioning method of genetic analysis applied to weight per fruit of tomato hybrid and parental populations.** LeRoy Powers. Agricultural Research Service. 64 p. (T 1131.) Price 25¢. FOR SALE ONLY.

Results of methods used in a genetic study of tomato fruit weights are given.

**Repellents to protect trees and shrubs from damage by rabbits.** A. C. Hildreth and G. B. Brown. Agricultural Research Service. 31 p., illus. (T 1134.) Price 15¢. FOR SALE ONLY.

Results of studies conducted at the Cheyenne Horticultural Field Station, Cheyenne, Wyo., to prevent injury to trees and shrubs by rabbits are reported in this bulletin.

#### OTHER PUBLICATIONS

**Dairy and poultry market statistics, 1954.** Agricultural Marketing Service. 128 p. (SB 165.) Price 60¢. FOR SALE ONLY.

**National forest vacations.** Forest Service. 64 p., illus. Revised. Price 30¢. FOR SALE ONLY.

**Supplement for 1955 to Statistics on cotton and related data.** Agricultural Marketing Service. 108 p. (Suppl. to SB 99.) Price 55¢. FOR SALE ONLY.

**Using your co-op elevator.** Thomas E. Hall. Farmer Cooperative Service. [13] p., illus. (FCS Ed. C 8.) Price 10¢.

#### PERIODICALS

**Agricultural research.** Vol. 4, No. 6, December 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. FOR SALE ONLY.

**Agricultural situation.** Vol. 39, No. 12, December 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. FOR SALE ONLY.

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**Extension service review.** Vol. 26, No. 12, December 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. FOR SALE ONLY.

**Foreign agriculture.** Vol. XIX, No. 12, December 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

**News for farmer cooperatives.** Vol. 22, No. 9, December 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. FOR SALE ONLY.

**Rural lines.** Vol. 2, No. 7, December 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

**Soil conservation.** Vol. XXI, No. 5, December 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. FOR SALE ONLY.

**Index.** Vol XX, August 1954 to July 1955. Price 10¢.

### MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent for educational purposes to groups and organizations or may be purchased outright. Prints of Department films may be obtained from 75 co-operating film libraries in the 48 States, the District of Columbia, and the Territories of Alaska, Hawaii, and Puerto Rico.

**FROM THE RIDGE TO THE RIVER.** 16 mm., sound, in color. Running time, 26 minutes. Released 1955.

This film tells the story of local watershed organization. It explains the land treatments and the work on the water courses and tells how they are integrated to provide a watershed protection program which will give both farmers and city folk a greater security against floods. Several professional actors are used and a real watershed situation has been dramatized to make this film more enjoyable. (Not in film libraries; available for loan from state offices of Soil Conservation Service; inquire of Motion Picture Service for purchase information.) TV use permitted.

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